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stair edgings & floor trims



GRADUS
contract interior solutions

GRADUS

contract interior solutions

gradus was founded in 1966 and has evolved from a flooring accessories business, which still remains at the heart of its activities today, into a fully fledged contract interior solutions provider.

With over 300 employees serving both the UK and International markets, Gradus offers solutions for floorcoverings, barrier matting, wall protection, soft furnishings and lighting design, in addition to a comprehensive range of stair edgings and floor trim profiles.

The company culture is built on problem solving, service and customer support, and the Gradus brand values of quality and expertise are implemented throughout all business activities to ensure reduced risk for all Gradus clients.

A full product index can be found on pages 175 to 176

introduction pages 2 - 6

The Gradus Group and the individual divisions that make up the group.
Gradus Accessories overview.
Corporate clients.



stair edgings & complementary trims 7

Information to ensure the correct selection of stair edging profiles and appropriate inserts along with details of colour availability and complementary trims.



lighting 59

Information on the range of safety and decorative LED lighting profiles for stairs, floors and walls. Details of lighting profiles, colours and effects can be found in this section.



associated products for stairs & floors 73

Information on Gradus products that are typically associated with stairs and surrounding areas: slip resistant flooring and surface finishes, stair edgings for ceramics, heavy-duty stair edgings, tactile surface and stair rods.



skirtings, capping strips & accessories 89

Information to ensure the correct selection of skirtings, capping strips and other accessories along with details of colour availability. Details of Gradus pvc skirtings, metal skirtings, cove formers and capping strips can be found in this section. Wall protection systems are also introduced in this section.



transition strips 115

Information to ensure the correct selection of transition strips along with details of colour availability. Details of all Gradus Clip-Top, carpet trims and profiles for ceramics can be found in this section.



barrier matting 157

Information on SystemMatics - primary and secondary barrier matting systems. Details of products and colours can be found in this section.

installation, cleaning & maintenance 163

Information and guidelines on typical installation methods, life cycle costings and recommended cleaning methods and frequencies.

specification guidelines, design service and CPD 167

Information on the most relevant building regulations and standards and how they impact upon the selection of Gradus products to help achieve an inclusive environment in line with the Disability Discrimination Act 1995 (DDA). Details of the Gradus Design Service and RIBA assessed CPD seminars.

introduction

section 1

section 2

section 3

section 4

section 5

section 6

section 7

section 8

GRADUS

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accessories

stair edgings & floor trims

profiles & movement joints for ceramics

barrier matting systems

led lighting systems

lighting design solutions

wall protection systems

gradus accessories is the market leader in contract flooring accessories and offers the widest choice in product solutions for stairs and floors. All products are designed to ensure the correct balance between safety, performance and aesthetics, and are suitable for a wide variety of contract applications.

A recent partnership with the Italian manufacturer Folotec has resulted in the addition of a range of profiles and movement joints designed specifically for use with ceramics.

gradus matting offers an extensive range of barrier matting systems, which provide an effective barrier against dirt and moisture at entrances, access points and circulation areas in environments such as retail, education and healthcare. Helping to protect and increase the life cycle of surrounding floorcoverings, barrier matting also helps to reduce slip accidents and keep maintenance costs to a minimum.

gradus lighting is a two-part business offering specialist solutions for contract environments. A range of low voltage LED safety and decorative lighting systems is available, which is used extensively in leisure sector applications such as cinemas, casinos, nightclubs and cruise liners. Gradus also offers a lighting design solutions service, employing a wide spectrum of lighting solutions to create effects tailored to individual applications.

gradus wall protection systems offers a comprehensive package for walls, corners and doors that provides an essential barrier against damage caused by pedestrian and wheeled traffic. Helping to minimise the need for ongoing repair and maintenance, wall protection systems also reduce life cycle costs and improve the overall appearance of the interior. Ideal for all contract environments including pharmaceutical, education, healthcare and hospitality.



Separate catalogues covering Gradus Profiles & Movement Joints for Ceramics, Gradus Matting, Wall Protection and Lighting are available via Customer Support.

Call 01625 428922 to obtain a copy.

call: 01625 428922
visit: www.gradusworld.com

a complete product and service solution



floorcoverings

tile, broadloom & impervious carpets

cork flooring

wood flooring

vinyl flooring

gradus floorcoverings is evolving from the Gradus contract carpet business, which manufactures premium quality broadloom, carpet tile. The range of Gradus carpets is targeted at a variety of market sectors, with primary focus on healthcare, education and commercial office environments.

The advent of cork, wood and modular vinyl flooring has enabled the floorcoverings division to cater for many niche areas, encompassing market sectors such as retail and leisure. Gradus has partnered with Wicanders to bring engineered cork flooring to the UK, which has credentials as a sustainable and environmentally friendly floorcovering.

Our latest partner, Toli, has enabled Gradus to provide loose lay decorative pvc modular flooring, which can be installed with similar ease to Gradus carpet tiles.

soft furnishings

contract soft furnishings

contract upholstery

wallcoverings

blinds

tracking

gradus soft furnishings provides ranges of contract soft furnishings, upholstery and, where appropriate, wallcoverings, blinds and tracking. It has carved out an important niche within healthcare, residential, education and leisure sectors.

By working in conjunction with other products in the Gradus portfolio, Gradus soft furnishings can complement the entire design scheme. For example, an entire turnkey solution for residential care has become an integral part of the growth.

This is also a formula for success with its latest contract soft furnishing and upholstery ranges targeted towards the hotel sector offering curtains, cushions, bedding and upholstery.

GRADUS

contract interior solutions

accessories

the widest choice in product solutions for stairs and floors



service

selecting the right product

Gradus Accessories offers a network of 20 trained specification consultants covering the UK to provide face to face advice on optimum product selection. Gradus specification consultants are able to advise on the Disability Discrimination Act, the latest recommendations in BS8300:2001 and The Building Regulations 2000 - Approved Document M. Contact Customer Support for details of your nearest specification consultant.

A rapid response sample and literature service with 24 hour delivery is available by contacting Customer Support.

A dedicated Technical Services Team is on hand to provide immediate answers to complex queries, in addition to providing advice on installation, cleaning and maintenance.

The Gradus website (www.gradusworld.com) is available offering details on the very latest products that may not yet be included in literature. Sample and literature requests can also be made via the website.

A dedicated quotation service is available to provide quotations and estimates for individual project requirements.

delivering the right product

A free on-site measuring service* is available for stair edgings to ensure the correct profile and quantity are supplied to requirements. To organise a survey contact the Sales Office. Conditions apply, details available upon request. (*UK only).

Gradus flooring accessories are stocked by over 100 contract flooring distributors throughout the UK, which are serviced by up to 5 deliveries from Gradus Accessories per week. For details of overseas distributors, contact Gradus International on +44 (0)1625 613780.

knowledge



education

Gradus is a registered member of the RIBA CPD Providers Network and can offer seminars on stair edgings, floor trims, barrier matting, wall protection and cork flooring at which attendees gain an insight in to why these products are needed, how they are specified and the suitability of product to application. To request a seminar see details on page 173.



technical support

Over 40 years Gradus has accumulated a great deal of experience in its markets, experience that the company is only too pleased to share. The Gradus technical services team and specification consultants are on hand to provide this support free of charge!

NBS plus



Gradus is a member of NBS Plus. Here specifiers can find a comprehensive library of pre-written specifications supported by extensive guidance notes. For more information on NBS Plus contact NBS Services on 0191 232 9594.

investor in people



INVESTOR IN PEOPLE

As an investor in people, Gradus is committed to the on-going training and development of all employees. In particular, Gradus is confident that all sales and technical staff are able to offer accurate and appropriate recommendations for customer needs.

call: 01625 428922
visit: www.gradusworld.com

peace of mind from extensive testing and experience



quality



10 year warranty

Gradus Accessories has the confidence and experience in its manufacturing techniques to offer a 10 year warranty against material and manufacturing defects under normal use and service, subject to materials being installed and maintained to Gradus recommendations. Look out for products that carry the 10 year warranty.



EMS 59511

ISO 14001

Gradus is an ISO 14001 environmentally accredited company with a clear focus to continually minimise waste, prevent pollution, improve operational efficiency and so reduce its impact upon the environment. This continual improvement of its environmental management is regularly audited by an accredited external assessor and the company remains committed to demonstrating its environmental responsibilities to customers, legislators, employees, shareholders and pressure groups.



FM 10763

ISO 9001

Gradus is an ISO 9001 quality accredited company with a commitment to providing the best possible service and whose manufactured products are designed and produced to conform with the relevant BS/EN/ISO standard. Quality assurance procedures are implemented to ensure ongoing compliance with product standards and fully meet customer requirements. These procedures, and the company's continuous improvement programme, are regularly audited by an accredited external assessor.

design

safety

All Gradus accessories are developed with safety at the forefront of their design. A wide choice of slip resistant inserts and profile shapes is available to ensure all stair edging and trimming products effectively contribute to a reduction in slip and trip accidents.

aesthetics

All products are available in a variety of colours and finishes ensuring harmonisation with most interior designs and allowing suitable colour contrast to be achieved, where relevant.

performance

All Gradus products are tested and extensive research has been conducted on actual products in service to ensure durability and appearance retention is optimised throughout a product's life cycle.

in-house design & product development

Gradus controls the design of its accessories from initial concept through to finished product, including specialist CAD design and the manufacturing of tooling.

design service

Although a wide selection of standard products is available, Gradus is delighted to quote for any bespoke or special requirements you may have (see page 171).

corporate clients

VODAFONE
FORD
BRITISH GAS
SAAB
PORSCHE
BMW
LLOYDS/TSB
RAC
HALIFAX BUILDING SOCIETY
NATWEST
NATIONWIDE
WARNER BROS
CINE UK
ODEON
RANK
UGC
VUE CINEMAS
PATHÉ
SCOTTISH & NEWCASTLE
BASS
SHOWCASE
NATIONAL TRUST
ROYAL UNITED HOSPITAL - BATH
NUFFIELD
BUPA
GENERAL HEALTHCARE
ANCHOR
LEONARD CHESHIRE
CRAEGMOOR
PRIORY
KENT UNIVERSITY
IMPERIAL COLLEGE
BRUNEL UNIVERSITY
MANCHESTER UNIVERSITY
READING UNIVERSITY
SURREY AND ROEHAMPTON UNIVERSITY
LONDON SCHOOL OF ECONOMICS
WARWICK UNIVERSITY
MARKS & SPENCER
B & Q
MFI
BOOTS
LITTLEWOODS
BHS
WOOLWORTHS
BURTON GROUP
VIRGIN
LEVI'S
FOOTLOCKER

section 1

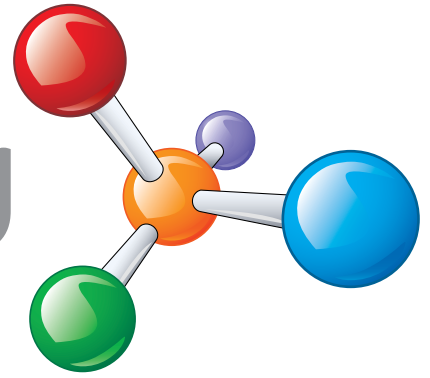


stair edgings & complementary trims

Information to ensure the correct selection of stair edging profiles and appropriate inserts along with details of colour availability and complementary trims.

	Page
stair edgings	
Specification - Peace of Mind	8 - 9
Major Advancements in Safety & Performance	10
Slip Resistance & Performance	11
Colour Availability	12 - 13
<hr/>	
aluminium - XT range	14 - 17
aluminium	18
Traditional A + ADM range	19 - 21
Traditional S + H range	22 - 23
Traditional G + ADM + PG range	24 - 27
Traditional CT range	28 - 29
Elite ELA + EAR range	30 - 33
<hr/>	
chrome	34
Traditional GC range	35
<hr/>	
bronze	36
Elite ELB range	37
Traditional BA + BG range	38 - 39
<hr/>	
PVC-u hardnose	40
Traditional Hardnose DDA + RNC + RN range	41 - 42
Elite Metallic Hardnose ELM range	43
Elite Hardnose ELR range	44 - 45
<hr/>	
flexible pvc	46 - 47
<hr/>	
complementary trims	
Guide to Stair Trims & Welded Corners	48 - 49
Stair Trims	50 - 53
Measuring & Templating	54
Welded Returns & Capped Ends	55
Selection Guide	56
Materials	57

peace of mind



5 reasons to specify gradus stair edgings

● the law

we understand it so you can be sure that all our products comply with the latest guidelines, building regulations and research

● guarantee

40 years in business –
quality, performance and service guaranteed

● flexibility

the most flexible accessories business with a level of service you can rely on time and time again

● performance

no. 1 for safety on stairs – there is no equal

● the future

new products and solutions to meet your changing needs



GRADUS
contract interior solutions



to specify a gradus stair edging is to provide peace of mind - there is no equal

● the law

Several areas of guidance and legislation now exist to assist with the selection of suitable stair edgings, to help building owners achieve an inclusive environment in line with the Disability Discrimination Act 1995 (DDA).

- The Building Regulations 2000 - Approved Document M (2004) (see page 168)
- BS8300:2001 (see page 169)
- BRE (see page 170)

Gradus has devoted significant resource to product development to ensure our products help meet these requirements. This is backed up by our guarantee statement (see page 167), and all our specification consultants are trained to offer advice and guidance in this area to help you make the right selection.

● guarantee

Gradus Accessories, through 40 years experience in the manufacture of stair edgings, is able to provide the specifier with several guarantees to ensure complete Peace of Mind.

- Manufacturing Warranty - a wide range of stair edgings carry a 10 year manufacturing warranty. Details can be found on the description page for each stair edging range
- Insert bond is for life and eliminates the risk of insert bond failure
- All Gradus stair edgings are designed to meet the latest building regulations (as above)

● flexibility

Commitment to service is behind everything that we do (see page 4 for further details). In addition we are also able to offer a design service to manufacture bespoke solutions to meet special requirements, or a request for a specific colour. See page 171 for details.

● performance

According to statistics produced by the Health & Safety Executive, slips, trips and falls account for more than half of all reported injuries to the general public. Over 100,000 injuries are reported on non-domestic stairs each year and the latest HSE figures show that 100 deaths result directly from falls and trips on stairs. Stair edgings significantly contribute to safety when selected correctly and can help towards achieving an inclusive environment in line with the latest guidance in ADM 2004. The following key factors need to be considered when selecting a stair edging:

slip resistance – the environment in which stair edgings are situated will determine the correct selection of insert material to ensure slip-resistance. Gradus offers 4 types of insert (see page 11).

fixing – a secure fixing is essential. All stair edgings should be installed in line with the installation guidance on page 164.

environment – the type of building and volume of traffic will determine the correct selection of stair edging. Guidance can be found on page 56.

In addition Gradus specification consultants are pleased to offer advice tailored to a particular project and application.

health and safety – at the forefront of all Gradus product design. The most recent addition is the **XT range**, featuring an enhanced level of slip resistance. Details can be found on pages 14 to 17.

● the future

We are constantly adding to, and evolving our product range to ensure we offer you the most up-to-date solutions. This brochure contains details of the XT range, a new edge in safety on stairs, and **Xtra-Grip**, a new high performance insert offering increased slip resistance. To ensure you are kept up to date with all developments from Gradus please ask to be added to our database by contacting Customer Support.



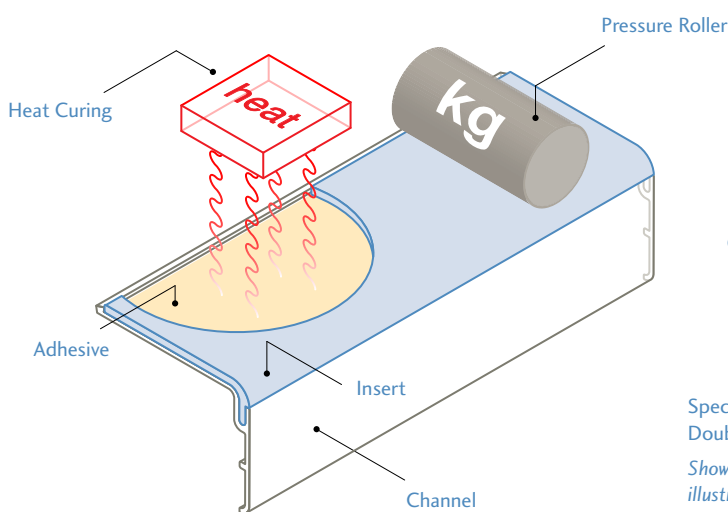
major advancements in safety & performance

gradus fusion - bond strength for life

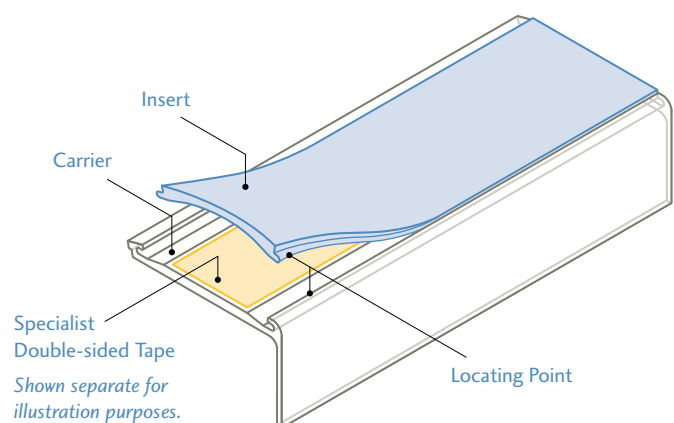
Gradus Fusion represents the bond between the insert and the channel. This is at the heart of delivering peace of mind to the specifier and building owner that they have selected a product that will perform throughout its life. Gradus Fusion is represented by two distinct technologies; Adhesive (XT and traditional stair edgings) and a mechanical lock (elite stair edgings).

Gradus fusion is a bond for life and this is underwritten by the Gradus manufacturing warranty (see page 5 for details).

XT and traditional stair edgings



elite stair edgings



adhesive technology

- A specialist adhesive developed to provide a bond that securely locks and fuses the insert in place and is resistant to shrinkage
- Extensively tested by SATRA (Shoe & Associated Trades Research Association) to simulate accelerated wear

mechanical lock

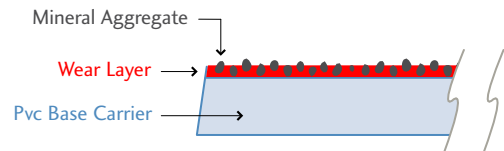
- A combination of specialist double-sided tape and the added reassurance of a mechanical fix through the use of locating points

types of insert - critical choice

- An insert provides a surface that creates friction between the sole of the shoe and step edge, hence providing slip-resistance
- An insert provides a colour contrast to ensure the step edge is clearly visible - see page 13 for colour choice
- All Gradus inserts are designed and tested to ensure optimum performance throughout the life of the product
- A choice of 4 insert types are available - see below

xtra-grip insert - new

- Pvc incorporating mineral aggregate and a wear layer. Suitable for very heavy commercial use (see figure 1)
- Offers increased surface roughness to reduce the risk of slip
- Suited to areas where a risk exists that the stair edging may become wet
- Achieves a low risk of slip in both dry and wet conditions (see figure 1)



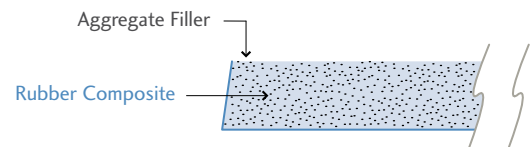
interior insert

- Pvc with mineral inclusion to provide surface roughness
- Suitable for use in internal dry conditions
- Available in a choice of 2 finishes: Standard and Grained
Elite insert available in Standard finish



exterior insert

- Rubber composite with the addition of aggregate fillers
- Bonded with epoxy adhesive and suitable for exterior use
- Achieves a low risk of slip in both dry and wet conditions (see figure 1)
- Suitable for very heavy commercial use (see figure 1)



testing

- All inserts are tested for: Slip-resistance, surface roughness, chemical and bacterial/fungal resistance
- Wear test independently carried out by SATRA using the Taber Abrader Method and classified in accordance with the results shown in the figure 1
- Slip resistance tests have been independently undertaken by the Health & Safety Laboratory using the pendulum test (see figure 2)

figure 2.

Pendulum Test Value (PTV)	Slip Potential
0 - 24	High Slip Potential
25 - 35	Moderate Slip Potential
36+	Low Slip Potential

figure 1.

	xtra-grip - new	interior	exterior
Composition	Pvc with Mineral Inclusion and Pvc Wear Layer	Pvc with Natural Mineral Fillers	Rubber Composite with Aggregate Fillers
Environment	Interior Dry or Wet Conditions	Interior Dry Conditions	External Dry or Wet Conditions
Potential for Slip	Dry Conditions Low (PTV Av. 70) Wet Conditions Low (PTV Av. 64)	Dry Conditions Low (PTV Av. 68)	Dry Conditions Low (PTV Av. 71) Wet Conditions Low (PTV Av. 53)
Compatibility	Aluminium, Bronze, PVC-u XT & Traditional Stair Edgings	Aluminium, Bronze, PVC-u XT, Traditional & Elite Stair Edgings	Aluminium, Bronze Traditional Stair Edgings
Wear Classification*	All Gradus inserts achieve wear classifications of: Group T - Class 34 - Commercial Very Heavy Group T - Class 43 - Light Industrial Heavy		
* Exterior and interior (standard, grained, elite) tested to BS EN 660-2:1999 and assessed against the requirements of BS EN 649:1997 Xtra-Grip tested to BS EN 13845:2005 - 50,000 cycles			

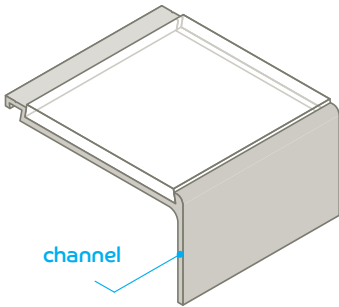
Additional insert materials are available in Allite heavy duty stair edgings (see pages 76 to 79) and as Stairtile slip resistant flooring (see pages 74 to 75).

colour availability - stair edgings and complementary trims

The range of stair edging colours from Gradus provides a comprehensive solution allowing specifiers and users to achieve colour contrast to the surrounding floorcovering in line with recommendations in The Building Regulations 2000 - Approved Document M - "Access to and use of buildings" and BS8300:2001.

The colours have been developed to provide a wide choice of colour contrast with matching colours for both insert and channel. All colours have been measured for light reflectance/colour contrast (LRV) and have been colour referenced on the NCS colour system (see below for details).

 For full LRV information on Gradus products contact Gradus Customer Support.



channel colours

BS8300:2001 states that stair edgings should contrast in colour and luminance with the remainder of the tread. Gradus stair edging channels are available in a variety of finishes and colours and can be combined with a wide range of inserts to achieve safe and attractive edges to steps (see opposite page).

PVC-u hardnose - satin finish

Elite and Traditional* channels. Interior use.

Black 7502 - B	Ink 8010 - R70B	Midnight 6030 - R80B	Burgundy 6030 - R10B	Evergreen 7020 - B70G	Brown 6010 - Y70R
Nutmeg 6020 - Y80R	Bluebell 5030 - R90B	Granite 6502 - R	Storm 5020 - R70B	Dove 5000 - N	Sage 4010 - B70G
Alpine 3020 - R90B	Lavender 3010 - R40B	Linen 3010 - Y30R	Veranda 3010 - G70Y	Glacier 2502 - B	Canvas 2005 - Y30R
Buttercup 1070 - Y	Snowdrift 0500 - N				

* DDA & RNC Hardnose channels are available in Black, Bluebell, Brown, Buttercup, Canvas, Dove, Evergreen, Glacier, Granite, Ink and Snowdrift. RNRC Hardnose channels are available in Black, Buttercup, Glacier, Granite, Ink

PVC-u hardnose - metallic finish

Elite channels. Interior use.

Burnt Almond 7010 - Y50R	Zinc 6005 - R80B
Doublon 4020 - Y	Silver 2005 - R80B

flexible pvc

One-piece slip resistant stair edging. Interior use.

Black 7502 - B	Brown 6010 - Y70R	Granite 6502 - R
Dove 5000 - N	Snowdrift 0500 - N	

metal finish

Elite and Traditional channels. Interior and exterior use.

Aluminium	Bronze	Chrome**
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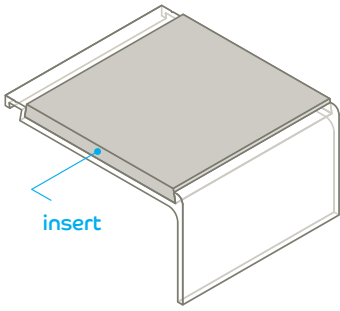
Interior use.

** Elite and Traditional channels.

NCS colour references



Gradus is a member of NCS (Natural Colour System) and utilises the NCS reference codes shown above each colour. NCS is a user friendly colour language and is the only colour system that describes colour exactly as we see it. NCS is used by professionals as a tool for precise colour communication, selection and specification. For further information visit the NCS website - www.ncscolour.co.uk
©Property of and used under licence from the Scandinavian Colour Institute AB, SCI-Sweden se, Stockholm 2004. 'See www.ncscolour.co.uk for NCS-standard samples'.



insert colours

All Gradus inserts provide a low risk of slip when used in internal dry conditions (see page 11 for details). Where risk of contamination is likely, a choice of Xtra-Grip or Exterior insert is available. **An appropriate cleaning and maintenance programme is required to ensure slip resistant qualities are maintained** (see page 165 for details).

When selecting inserts to be used with Hardnose channels the insert colour should match the channel colour in order to meet the guidelines in Approved Document M. Where colour names differ the matching Hardnose colour is indicated.

xtra-grip insert - new

The properties of Xtra-Grip insert make it ideal for heavy traffic internal areas, where surface contamination is likely to occur. For XT (available Autumn 2007) and Traditional (available Spring 2008) channels. Interior use in areas subject to wet conditions.

Carbon 8502 - B Hardnose - Black	Deepsea 8010 - R70B Hardnose - Ink	Truffle 8010 - Y50R Hardnose - Brown	Blueprint 6020 - R90B Hardnose - Bluebell	Rock 7005 - R50B Hardnose - Granite	
Hunter 7020 - B70G Hardnose - Evergreen	Pebble 4500 - N Hardnose - Dove	Vapour 2502 - B Hardnose - Glacier	Oat 2005 - Y30R Hardnose - Canvas	Zest 1070 - Y Hardnose - Buttercup	Iceberg 0500 - N Hardnose - Snowdrift

interior insert - standard finish

For XT*, Elite and Traditional channels. Interior use in dry conditions. * XT inserts are available in Buttercup, Canvas, Coffee, Evergreen, Glacier, Ink, Jet, Lead, Ocean, Snowdrift and Steel.

Jet 8502 - B Hardnose - Black	Ink 8010 - R70B	Midnight 6030 - R80B	Burgundy 6030 - R10B	Evergreen 7020 - B70G	Coffee 8010 - Y50R Hardnose - Brown
Nutmeg 6020 - Y80R	Ocean 6020 - R90B Hardnose - Bluebell	Lead 7005 - R50B Hardnose - Granite	Storm 5020 - R70B	Steel 4500 - N Hardnose - Dove	Sage 4010 - B70G
Alpine 3020 - R90B	Lavender 3010 - R40B	Linen 3010 - Y30R	Veranda 3010 - G70Y	Glacier 2502 - B	Canvas 2005 - Y30R
Buttercup 1070 - Y	Snowdrift 0500 - N	Cloud 4010 - R70B	Poppy 2070 - R	Photoluminescent	Photoluminescent insert is available in traditional channels with a 50mm insert.

interior insert - grained finish

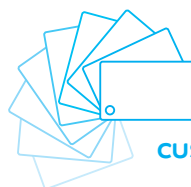
For Traditional channels. Interior use in dry conditions.

Black 7502 - B	Brown 6010 - Y70R	Bluebell 5030 - R90B	Granite 6502 - R	Dove 5000 - N
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exterior insert

For Traditional channels. Exterior use.

Nightsky	Lignite
Sunrise	Nebula



for samples contact customer support on **01625 428922**



aluminium - XT range

the new edge in safety for stairs

EHufton & Crow/View.

description

The XT range offers the ultimate solution in reducing slips, trips and falls on stairs and has been developed in line with the latest recommendations from BRE (see page 170) and the guidance contained within Approved Document M (ADM) of The Building Regulations.

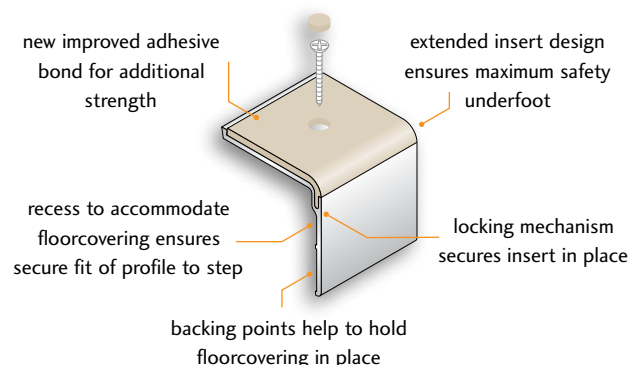
The Gradus XT range comprises aluminium channels with a choice of slip resistant inserts that extend around the leading edge of the stair edging to ensure that foot contact is always made with the slip-resistant element of the stair edging.

shape of step?



XT range

Fusion bonded inserts supplied with capping plugs to conceal screw heads after fixing



profile availability

Gauge of profiles suitable for most floorcoverings.

See page 56 for recommended stair edging to suit floorcovering.

- The XT range also incorporates 55mm treads and both 40mm and 55mm risers to meet the guidance in ADM to help building owners achieve an inclusive environment in line with the Disability Discrimination Act (DDA)
- Profile designs available to accommodate most stair shapes
- Choice of profile to suit traffic levels e.g. single or double channel
- Complementary edge trims (see page 17)

finishes / environment

Aluminium channels suitable for interior use.

- Mill finish aluminium. Can also be supplied anodised
- When specifying a double channel stair edging both inserts should be the same colour and should be of a contrasting colour to the surrounding floor finish
- Choice of insert for interior use: **Xtra-Grip**, available in 11 colours, for interior areas subject to wet conditions e.g. stairways close to entrances; Interior (Standard) available in 11 colours

installation

Installation guidelines can be found on page 164.

- Fusion bonded insert supplied with plugs

services

- Technical Services
- Samples
- Design Service
- Profiles can be fabricated
- Measuring and templating
- 10 year warranty

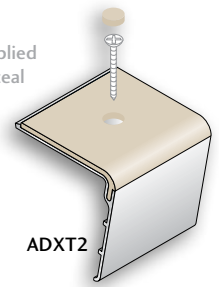
Patent applied for - Application no 0526373.6
Registered Community Design Application No 000465950

XT range

For guidance on the correct selection of stair edgings see pages 8 to 11.

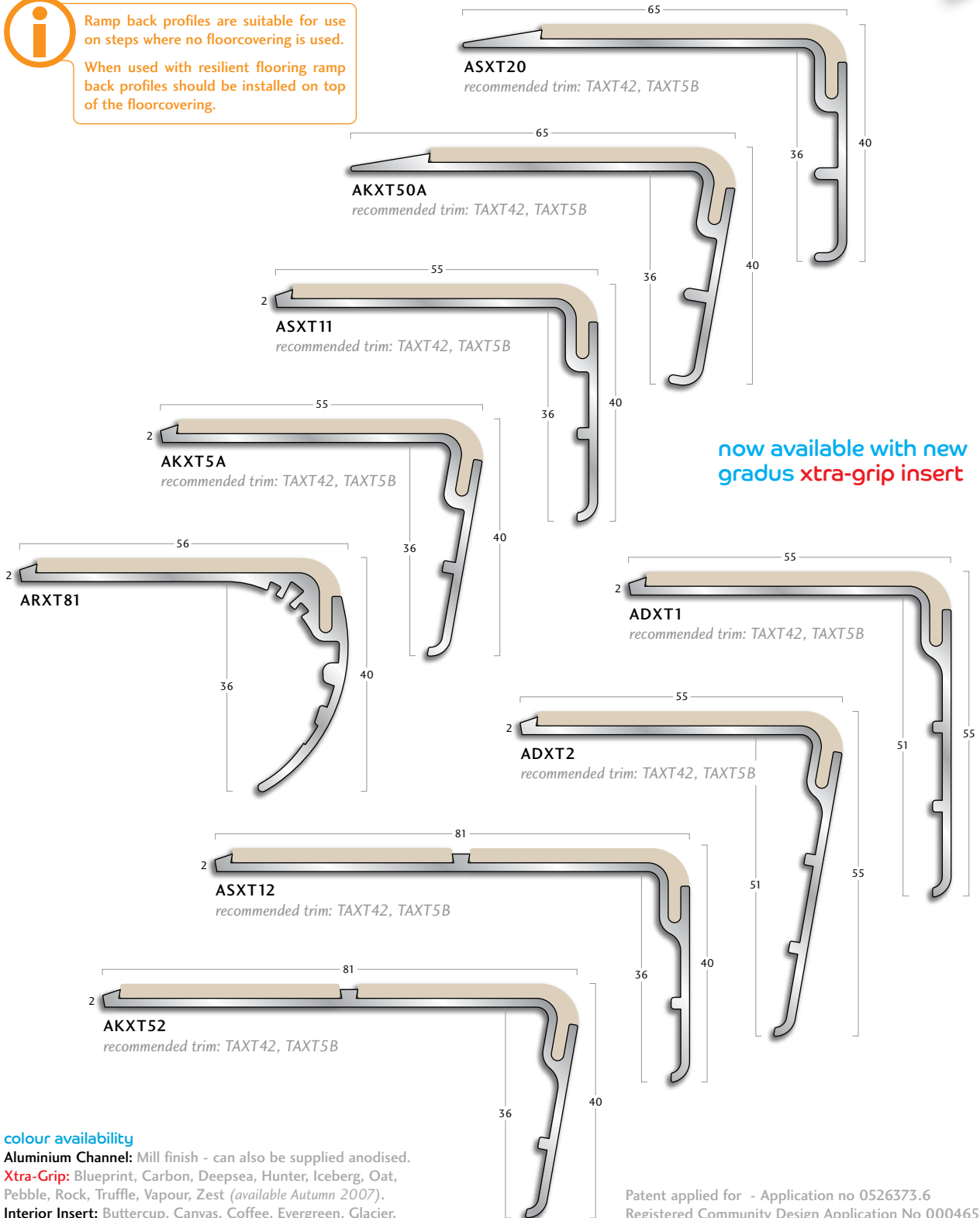
Channel	Mill finish aluminium
Insert	Xtra-Grip or Interior
Gauge	Typically used with resilient flooring
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

Fusion bonded inserts supplied with capping plugs to conceal screw heads after fixing



ADXT2

i Ramp back profiles are suitable for use on steps where no floorcovering is used. When used with resilient flooring ramp back profiles should be installed on top of the floorcovering.



section 1

colour availability

Aluminium Channel: Mill finish - can also be supplied anodised.

Xtra-Grip: Blueprint, Carbon, Deepsea, Hunter, Iceberg, Oat, Pebble, Rock, Truffle, Vapour, Zest (available Autumn 2007).

Interior Insert: Buttercup, Canvas, Coffee, Evergreen, Glacier, Ink, Jet, Lead, Ocean, Snowdrift, Steel.

For a quick colour reference guide use the back cover foldout. For full details on Colour Availability see pages 12 to 13.

Patent applied for - Application no 0526373.6
Registered Community Design Application No 000465950

trims

For recommended trims see individual profiles. For further information on associated trims see pages 17 and 48 to 53.

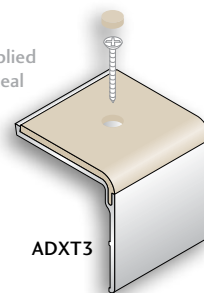
aluminium - XT range

XT range

For guidance on the correct selection of stair edgings see pages 8 to 11.

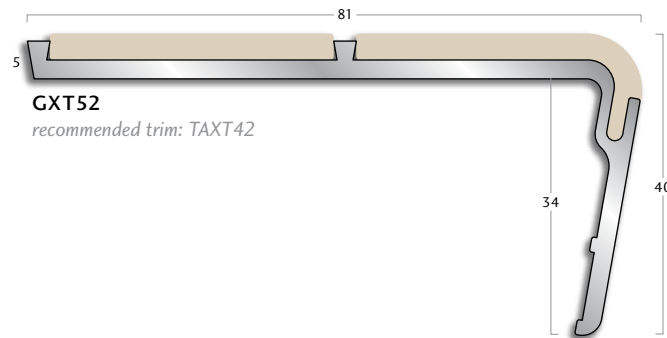
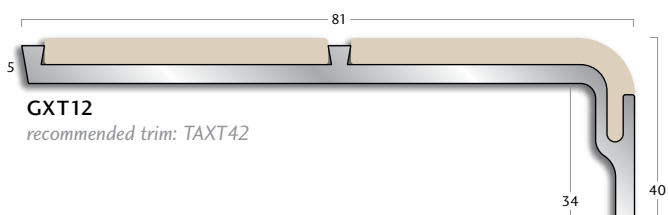
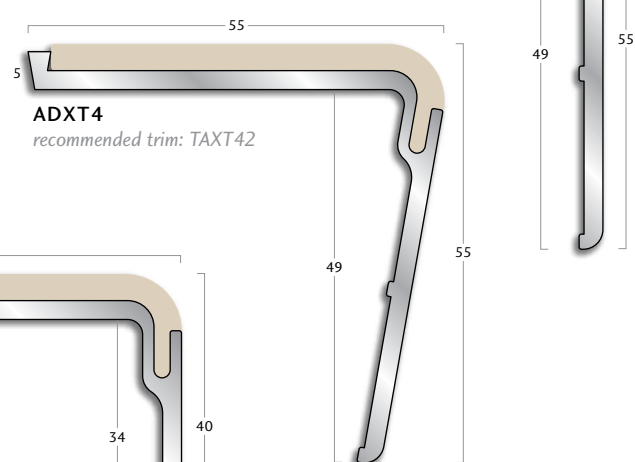
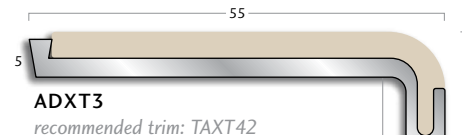
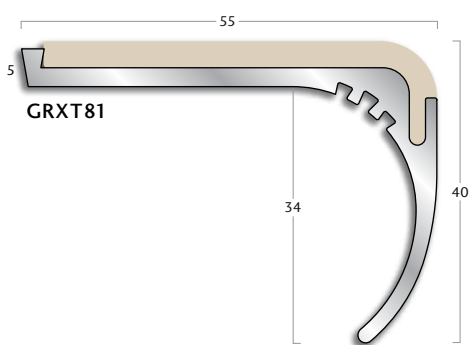
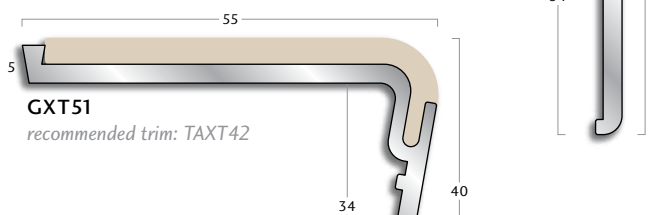
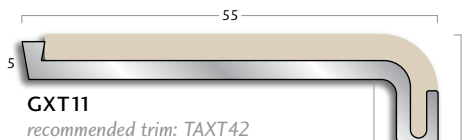
Channel	Mill finish aluminium
Insert	Xtra-Grip or Interior
Gauge	Typically used with heavy resilient flooring and carpet
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

Fusion bonded inserts supplied with capping plugs to conceal screw heads after fixing



ADXT3

now available with new gradus xtra-grip insert



Design Service see page 171.

colour availability

Aluminium Channel: Mill finish - can also be supplied anodised.
Xtra-Grip: Blueprint, Carbon, Deepsea, Hunter, Iceberg, Oat, Pebble, Rock, Truffle, Vapour, Zest (available Autumn 2007).
Interior Insert: Buttercup, Canvas, Coffee, Evergreen, Glacier, Ink, Jet, Lead, Ocean, Snowdrift, Steel.

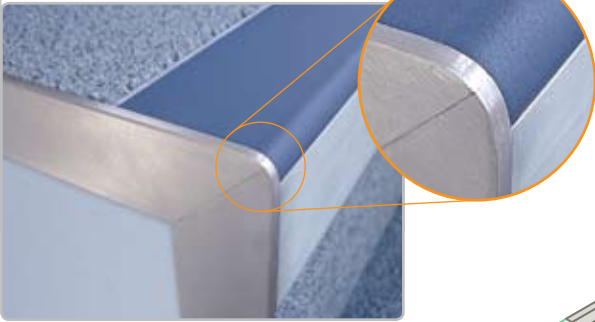
For a quick colour reference guide use the back cover foldout.
 For full details on Colour Availability see pages 12 to 13.

Patent applied for - Application no 0526373.6
 Registered Community Design Application No 000465950

trims

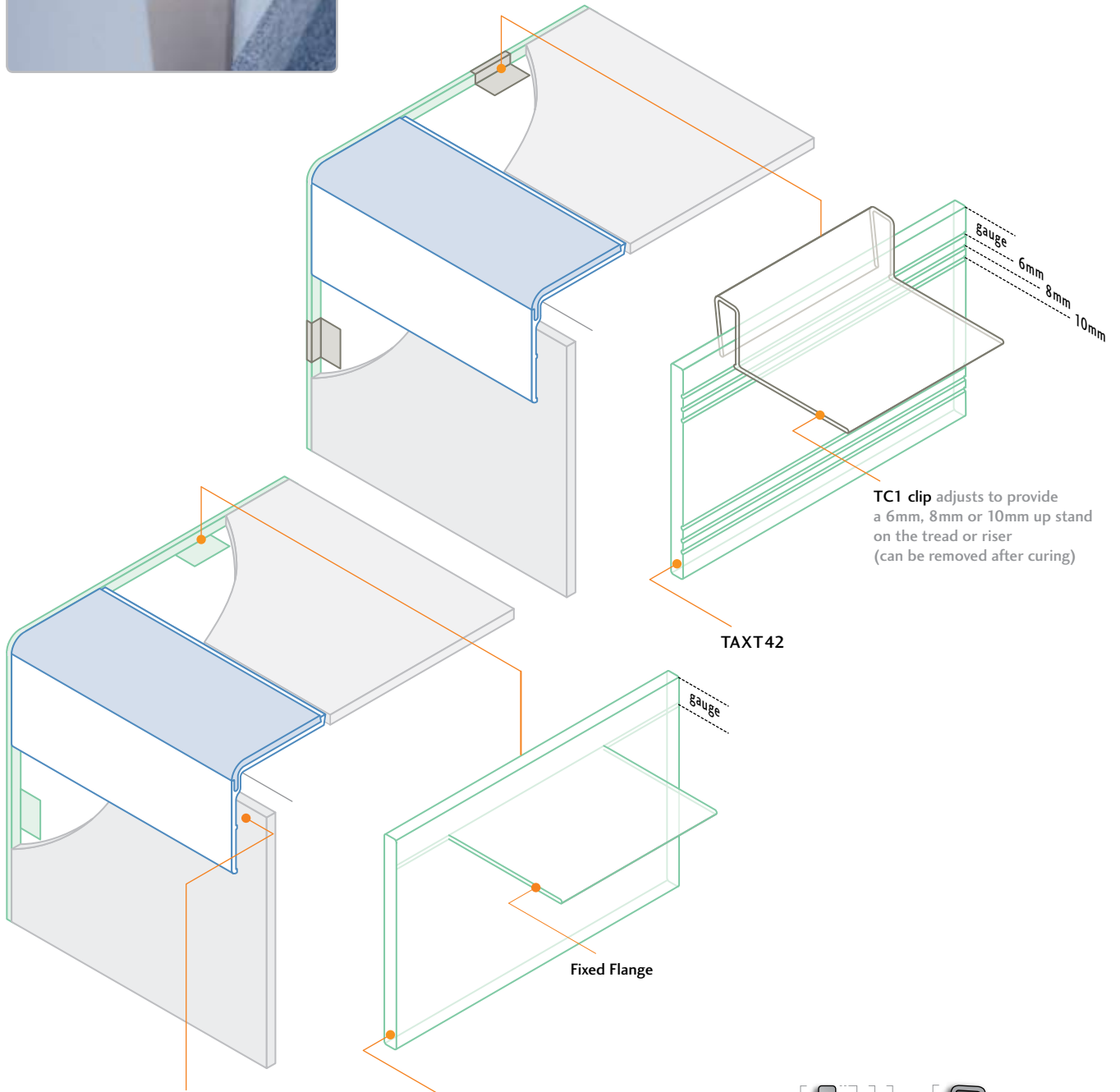
For recommended trims see individual profiles. For further information on associated trims see pages 17 and 48 to 53.

TAXT42 with contoured edge to provide a flush, neat finish to the stair edging profile



Side trims and welded corners are designed to form a neat and attractive edge around the open end of a step by concealing the edge of the floorcovering and stair edging.

Gradus side trims TA42 and TA5B can be ordered in straight lengths for on-site fabrication or can be supplied as pre-formed welded corners TAXT42 and TAXT5B. When ordered as TAXT42/TAXT5B the apex of the welded corner is contoured to a 10mm radius to match the curved edge design of the XT stair edging profiles, providing a flush, neat finish.



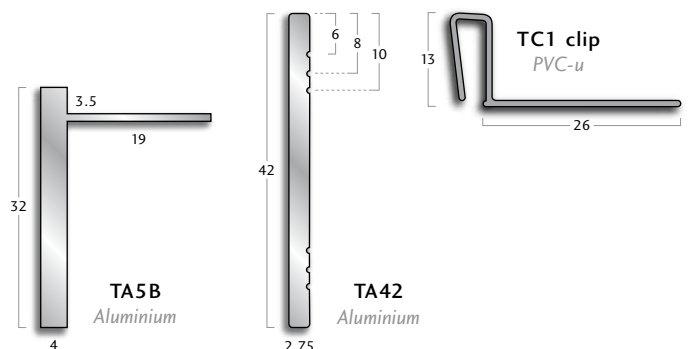
TC1 clip adjusts to provide a 6mm, 8mm or 10mm up stand on the tread or riser (can be removed after curing)

recess to accommodate floorcovering ensures secure fit of profile to step

TAXT5B to suit up to 3.5mm resilient floorcoverings

welded corners

Section	Gauge	78° - 90° LH or RH	83° & 90° Universal	Fixing	Site Join
TAXT42	6-8-10mm	✓	✓	TC1 Clips	butt
TAXT5B	3.5mm	✓	✓	Fixed Tab	butt





aluminium

the original stair edging

description

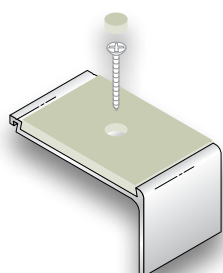
An extensive range of attractive and hardwearing stair edgings comprising aluminium channels with slip resistant inserts. Used in conjunction with floorcoverings from all major manufacturers. Suitable for all commercial and most industrial applications. Stair edgings help to achieve an inclusive environment in line with The Building Regulations 2000 - Approved Document M (May 2004) see pages 168 and 169.

shape of step?

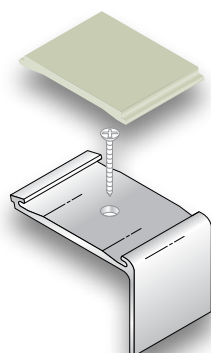


* Kinked Face can be used on square and some rake back steps.

which stair edging?



Traditional
Fusion bonded inserts supplied with capping plugs to conceal screw heads after fixing



Elite
Concealed fixing eliminating the need for screw head cover plugs

profile availability

Gauge of profiles suitable for most floorcoverings.
See page 56 for recommended stair edging to suit floorcovering.

- Profile designs available to accommodate most stair shapes
- Choice of profile to suit traffic levels e.g. single or double channel
- Complementary edge trims
- Choice of Traditional or Elite profiles. Selected profiles are also available in the new XT design (see pages 14 to 17)

finishes / environment

Aluminium channels suitable for interior and exterior use.

- Mill finish aluminium. Can be supplied polished, anodised or chromed
- When specifying a double channel stair edging both inserts should be the same colour and should be of a contrasting colour to the surrounding floor finish
- Choice of insert for interior use: **Xtra-Grip**, available in 11 colours, for interior areas subject to wet conditions (traditional channel only); Interior (Standard, Grained and Elite) available in up to 23 colours
- Exterior insert, available in 4 colours, for exterior areas subject to wet conditions (traditional channel only)

installation

Installation guidelines can be found on page 164.

- Elite: concealed fixing, inserts fitted on site
- Traditional: Fusion bonded insert supplied with plugs

services

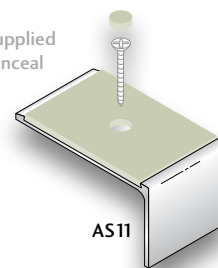
- **Technical Services**
- **Samples**
- **Design Service**
- **Profiles can be fabricated**
- **Measuring and templating**
- **10 year warranty**

A range

For guidance on the correct selection of stair edgings see pages 8 to 11.

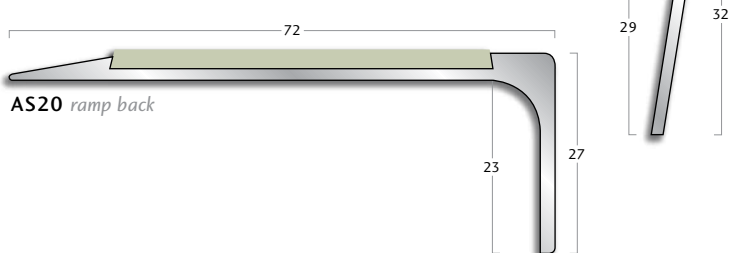
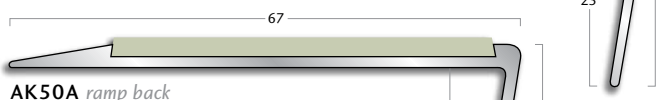
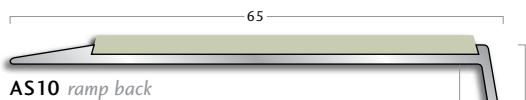
Channel	Mill finish aluminium
Insert	Xtra-Grip, Interior or Exterior
Gauge	Typically used with resilient flooring
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

Fusion bonded inserts supplied with capping plugs to conceal screw heads after fixing

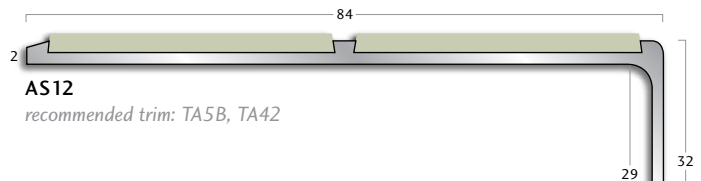
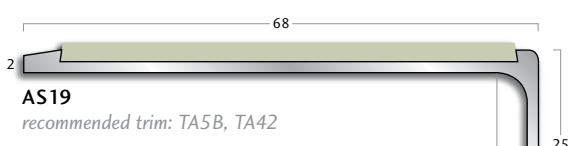
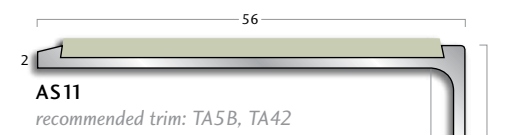
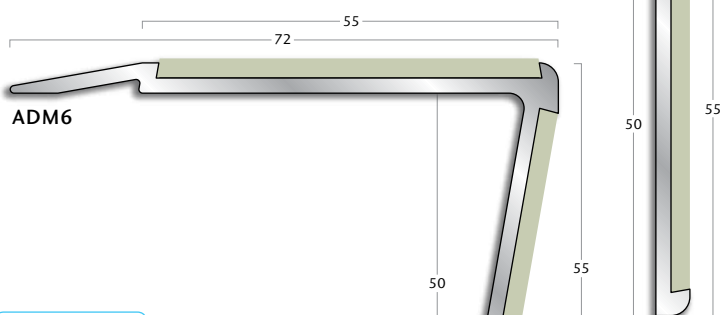
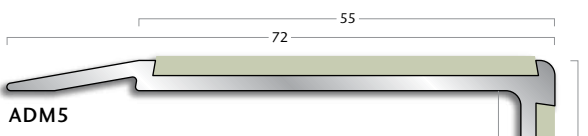


section 1

i Ramp back profiles are suitable for use on steps where no floorcovering is used. When used with resilient flooring ramp back profiles should be installed on top of the floorcovering.



i For guidance on the use of ADM profiles see pages 168 to 170.



XT range
AK50A, AS20, ADM1, AS11 and AS12 also available as XT profiles see pages 14 to 17.

colour availability
Aluminium Channel: Mill finish - can also be supplied polished, anodised or chromed.
Xtra-Grip: Blueprint, Carbon, Deepsea, Hunter, Iceberg, Oat, Pebble, Rock, Truffle, Vapour, Zest (available Spring 2008).
Interior Insert: Alpine, Burgundy, Buttercup, Canvas, Cloud, Coffee, Evergreen, Glacier, Ink, Jet, Lavender, Lead, Linen, Midnight, Nutmeg, Ocean, Photoluminescent (only available to suit channels with a 50mm insert), Poppy, Sage, Snowdrift, Steel, Storm, Veranda.
Interior Insert - Grained: Black, Bluebell, Brown, Dove, Granite.
Exterior Insert: Lignite, Nebula, Nightsky, Sunrise.

For a quick colour reference guide use the back cover foldout.
For full details on Colour Availability see pages 12 to 13.

trims
For recommended trims see individual profiles.
For further information on associated trims see pages 48 to 53.

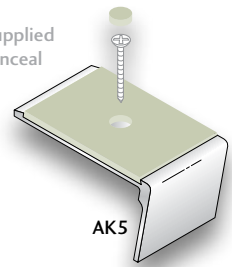
traditional aluminium - A range

A range

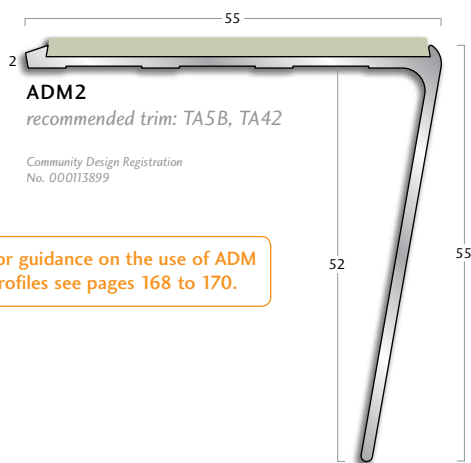
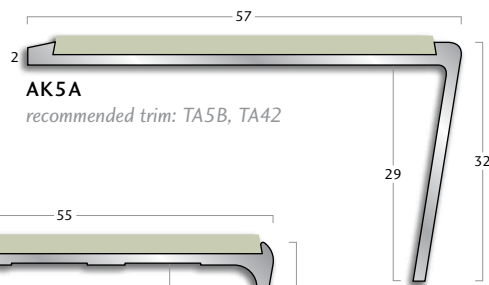
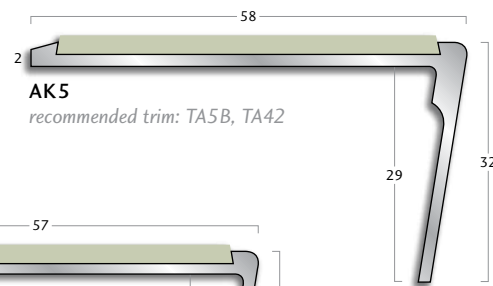
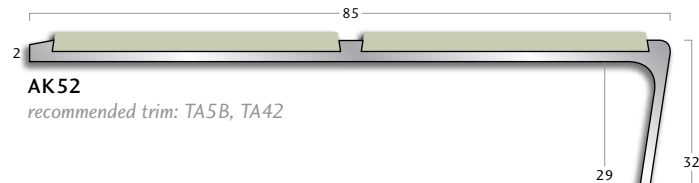
For guidance on the correct selection of stair edgings see pages 8 to 11.

Channel	Mill finish aluminium
Insert	Xtra-Grip, Interior or Exterior
Gauge	Typically used with resilient flooring
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

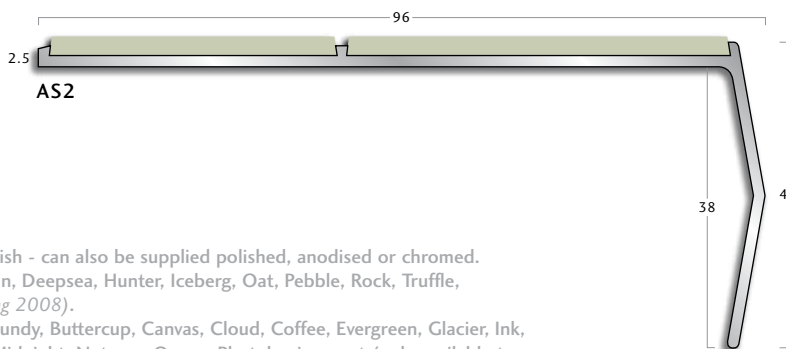
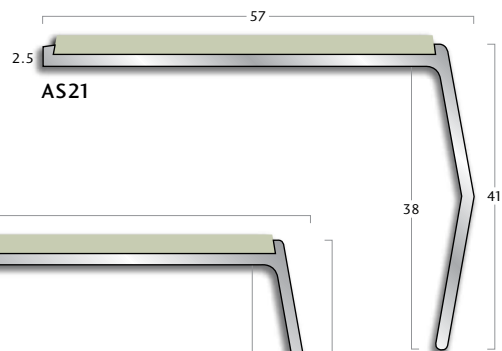
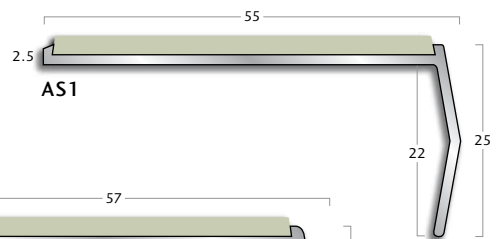
Fusion bonded inserts supplied with capping plugs to conceal screw heads after fixing



AK5



For guidance on the use of ADM profiles see pages 168 to 170.



colour availability

Aluminium Channel: Mill finish - can also be supplied polished, anodised or chromed.

Xtra-Grip: Blueprint, Carbon, Deepsea, Hunter, Iceberg, Oat, Pebble, Rock, Truffle, Vapour, Zest (available Spring 2008).

Interior Insert: Alpine, Burgundy, Buttercup, Canvas, Cloud, Coffee, Evergreen, Glacier, Ink, Jet, Lavender, Lead, Linen, Midnight, Nutmeg, Ocean, Photoluminescent (only available to suit channels with a 50mm insert), Poppy, Sage, Snowdrift, Steel, Storm, Veranda.

Interior Insert - Grained: Black, Bluebell, Brown, Dove, Granite.

Exterior Insert: Lignite, Nebula, Nightsky, Sunrise.

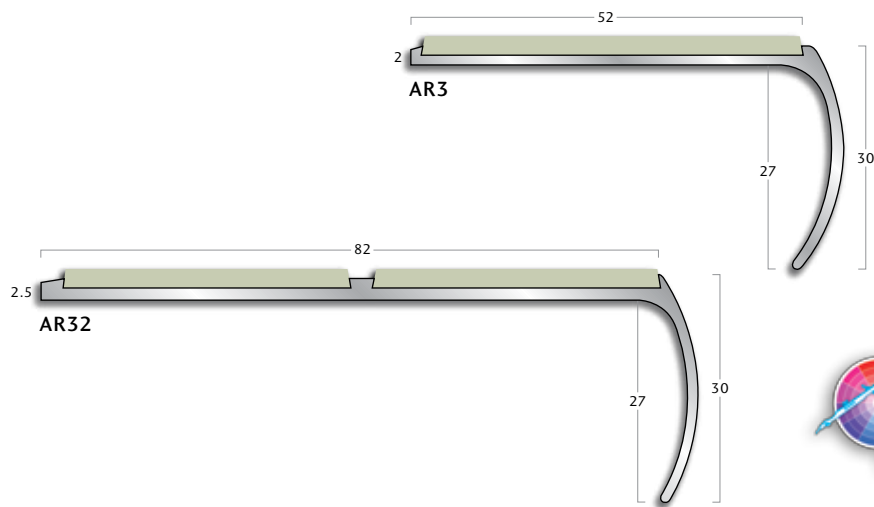
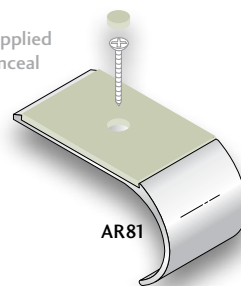
For a quick colour reference guide use the back cover foldout.
For full details on Colour Availability see pages 12 to 13.

trims

For recommended trims see individual profiles.

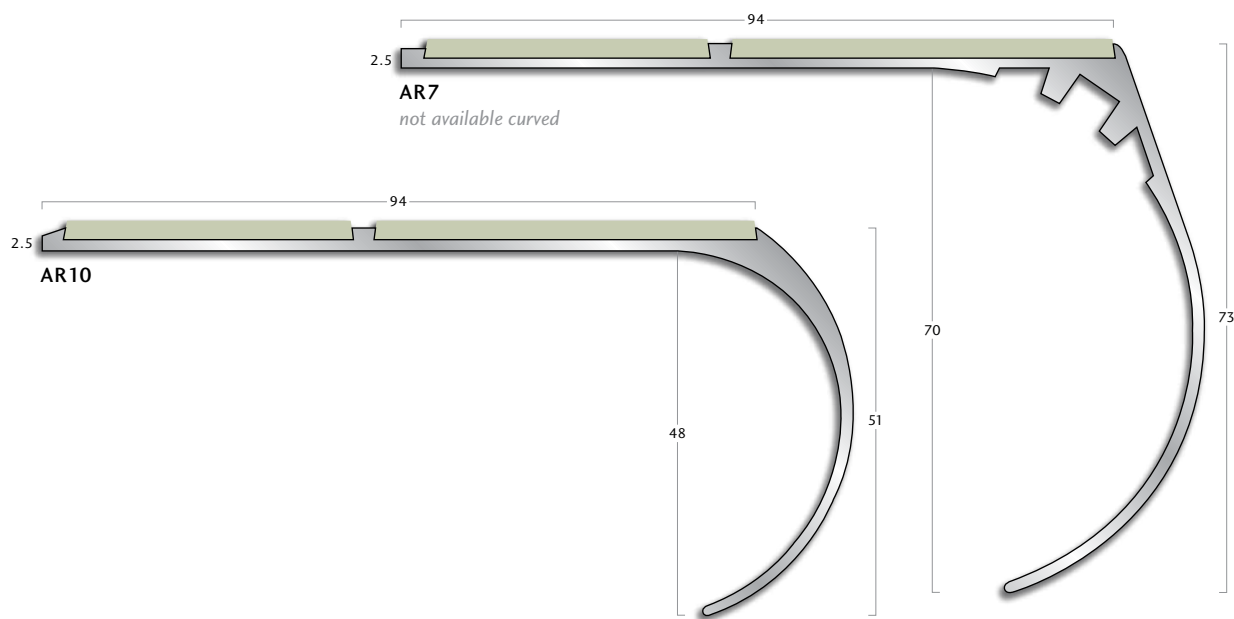
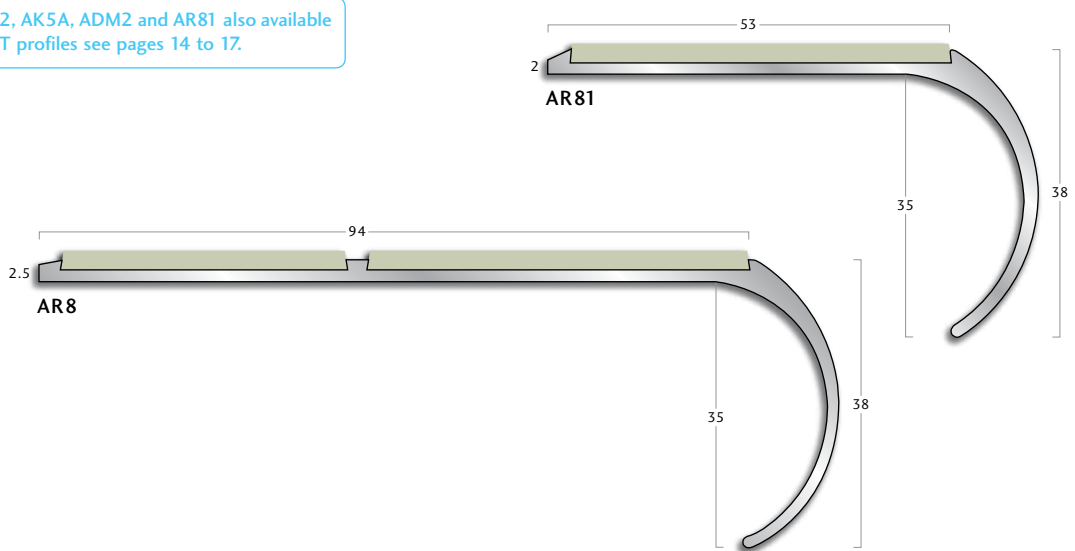
For further information on associated trims see pages 48 to 53.

Fusion bonded inserts supplied with capping plugs to conceal screw heads after fixing



section 1

XT range
AK52, AK5A, ADM2 and AR81 also available as XT profiles see pages 14 to 17.



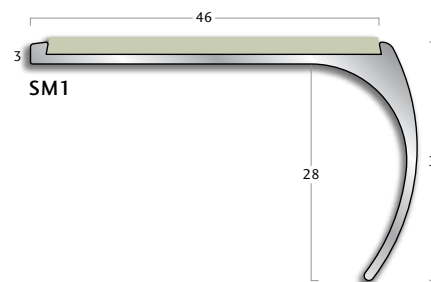
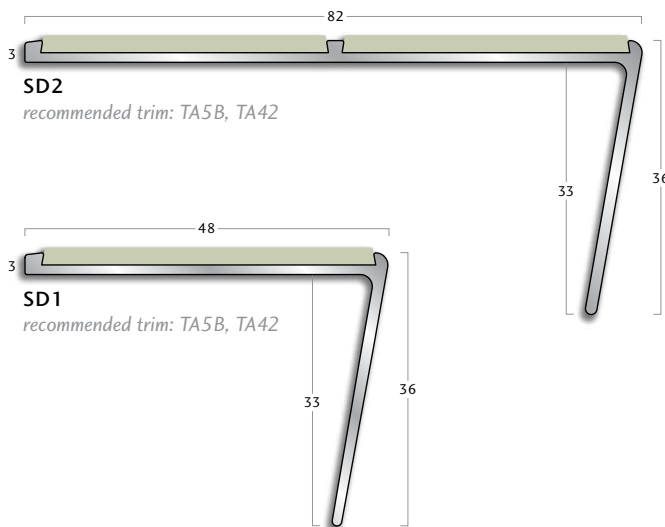
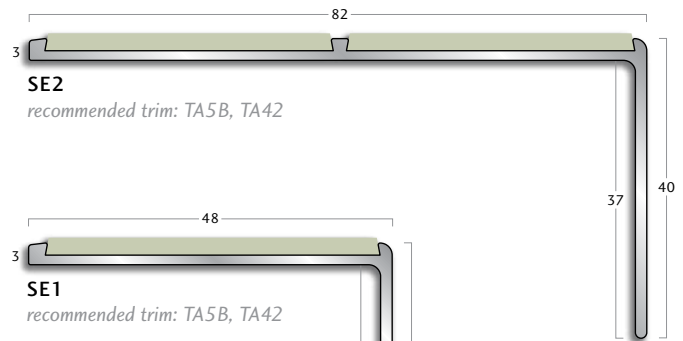
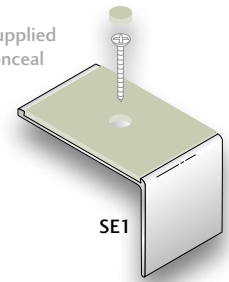
traditional aluminium - S range

S range

For guidance on the correct selection of stair edgings see pages 8 to 11.

Channel	Mill finish aluminium
Insert	Xtra-Grip, Interior or Exterior
Gauge	Typically used with resilient flooring
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

Fusion bonded inserts supplied with capping plugs to conceal screw heads after fixing



colour availability

Aluminium Channel: Mill finish - can also be supplied polished, anodised or chromed.

Xtra-Grip: Blueprint, Carbon, Deepsea, Hunter, Iceberg, Oat, Pebble, Rock, Truffle, Vapour, Zest (available Spring 2008).

Interior Insert: Alpine, Burgundy, Buttercup, Canvas, Cloud, Coffee, Evergreen, Glacier, Ink, Jet, Lavender, Lead, Linen, Midnight, Nutmeg, Ocean, Photoluminescent (only available to suit channels with a 50mm insert), Poppy, Sage, Snowdrift, Steel, Storm, Veranda.

Interior Insert - Grained: Black, Bluebell, Brown, Dove, Granite.

Exterior Insert: Lignite, Nebula, Nightsky, Sunrise.

For a quick colour reference guide use the back cover foldout.
For full details on Colour Availability see pages 12 to 13.

trims

For recommended trims see individual profiles.

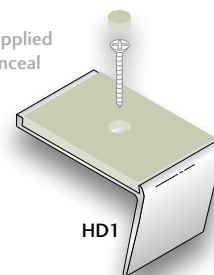
For further information on associated trims see pages 48 to 53.

H range

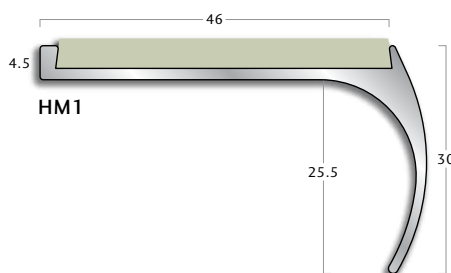
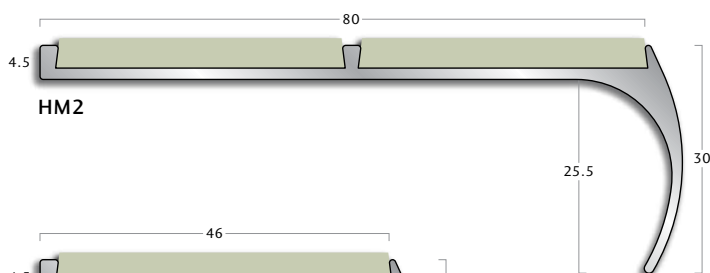
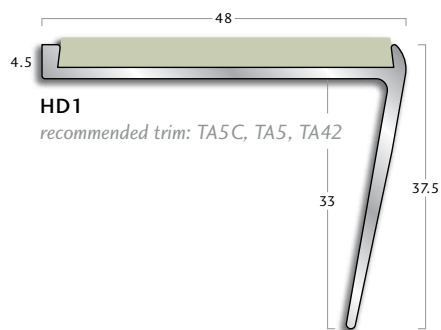
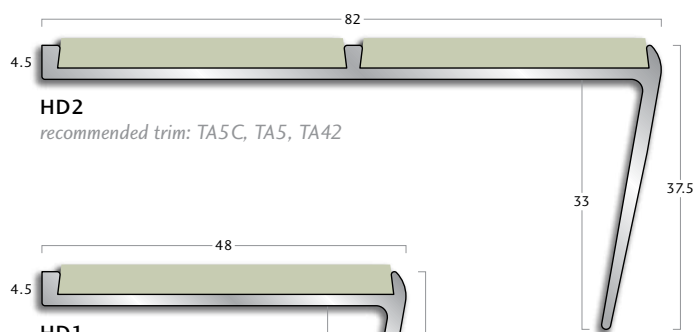
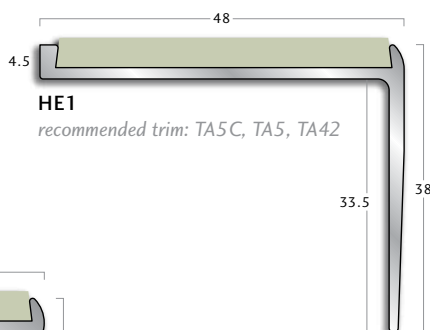
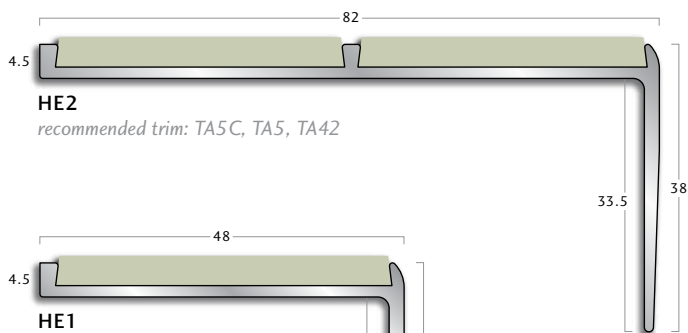
For guidance on the correct selection of stair edgings see pages 8 to 11.

Channel	Mill finish aluminium
Insert	Xtra-Grip, Interior or Exterior
Gauge	Typically used with heavy resilient flooring and carpet
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

Fusion bonded inserts supplied with capping plugs to conceal screw heads after fixing



section 1



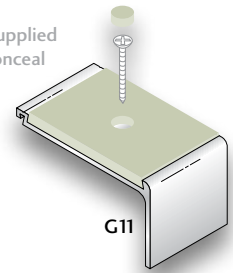
traditional aluminium - G range

G range

For guidance on the correct selection of stair edgings see pages 8 to 11.

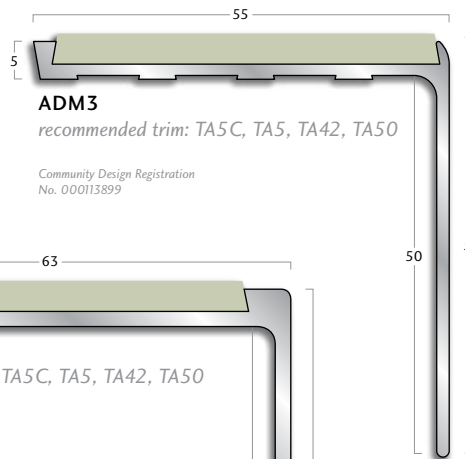
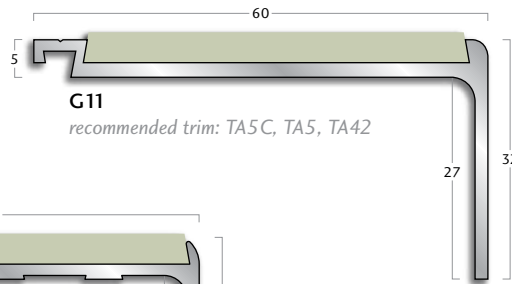
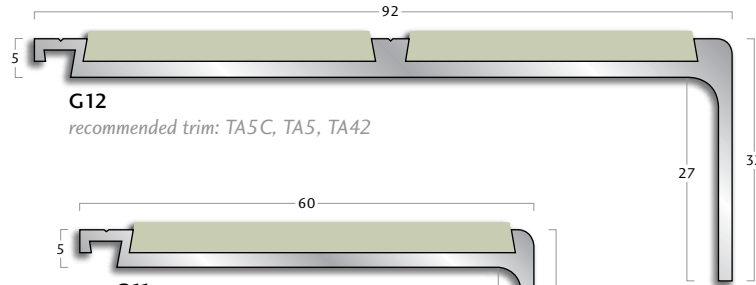
Channel	Mill finish aluminium
Insert	Xtra-Grip, Interior or Exterior
Gauge	Typically used with heavy resilient flooring and carpet
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

Fusion bonded inserts supplied with capping plugs to conceal screw heads after fixing

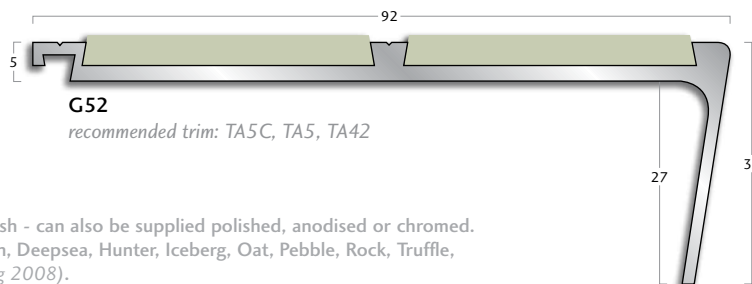
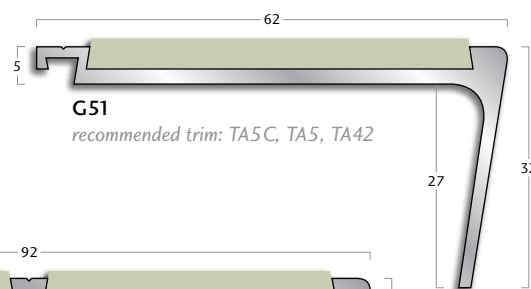
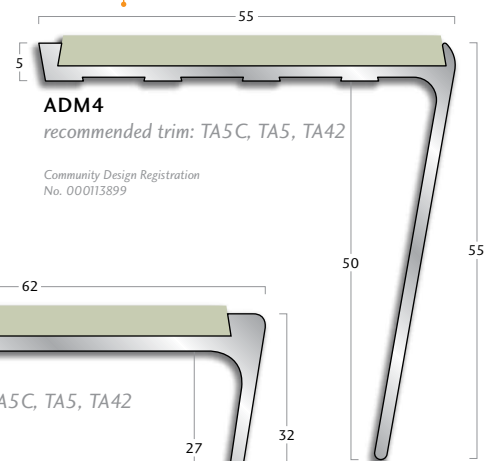
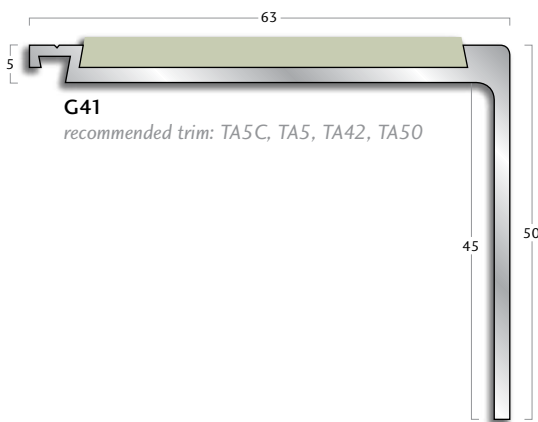


XT range

ADM3, ADM4, G11, G12, G51 and G52 also available as XT profiles see pages 14 to 17.



i For guidance on the use of ADM profiles see pages 168 to 170.



colour availability

Aluminium Channel: Mill finish - can also be supplied polished, anodised or chromed.

Xtra-Grip: Blueprint, Carbon, Deepsea, Hunter, Iceberg, Oat, Pebble, Rock, Truffle, Vapour, Zest (available Spring 2008).

Interior Insert: Alpine, Burgundy, Buttercup, Canvas, Cloud, Coffee, Evergreen, Glacier, Ink, Jet, Lavender, Lead, Linen, Midnight, Nutmeg, Ocean, Photoluminescent (only available to suit channels with a 50mm insert), Poppy, Sage, Snowdrift, Steel, Storm, Veranda.

Interior Insert - Grained: Black, Bluebell, Brown, Dove, Granite.

Exterior Insert: Lignite, Nebula, Nightsky, Sunrise.

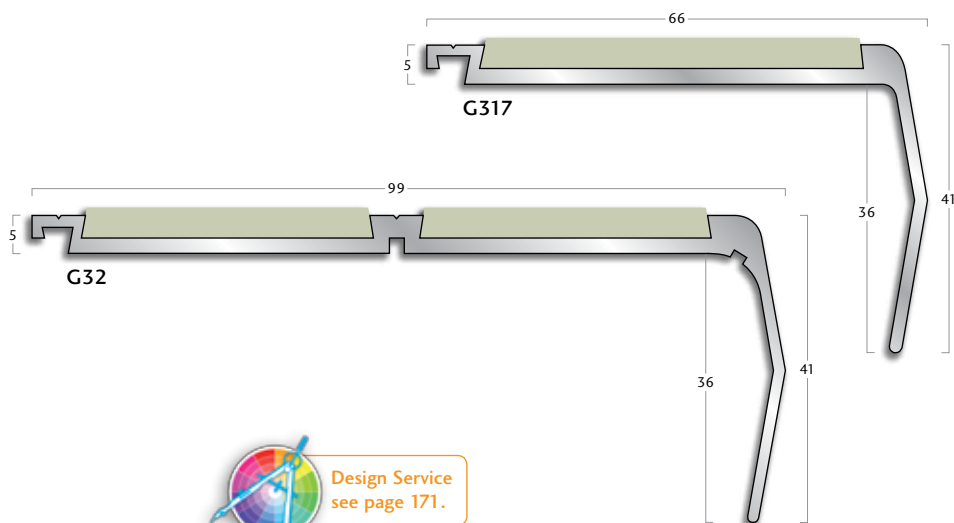
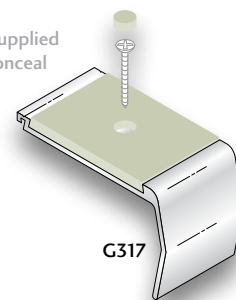
For a quick colour reference guide use the back cover foldout.
For full details on Colour Availability see pages 12 to 13.

trims

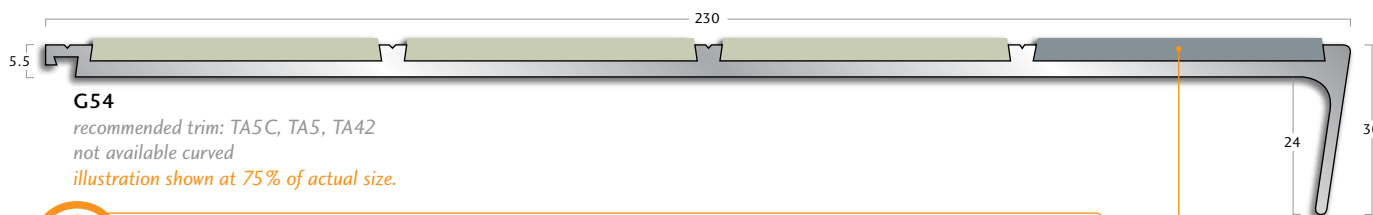
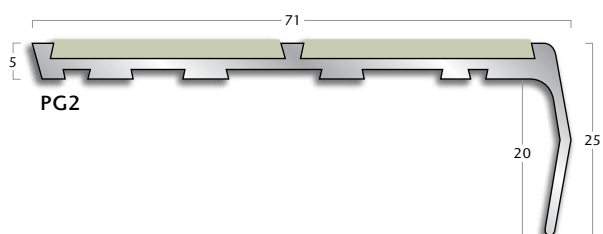
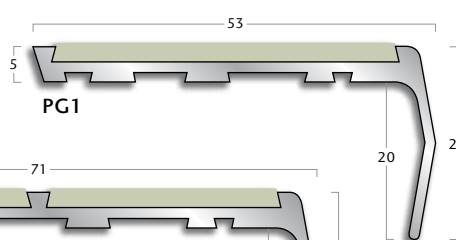
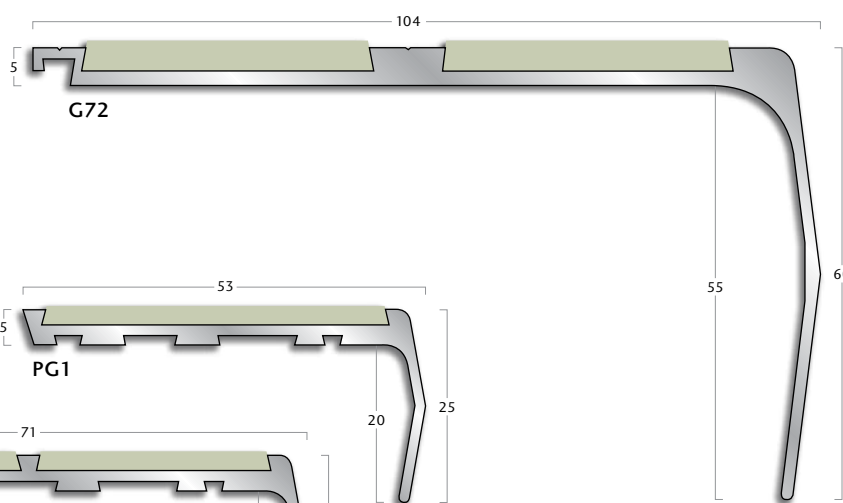
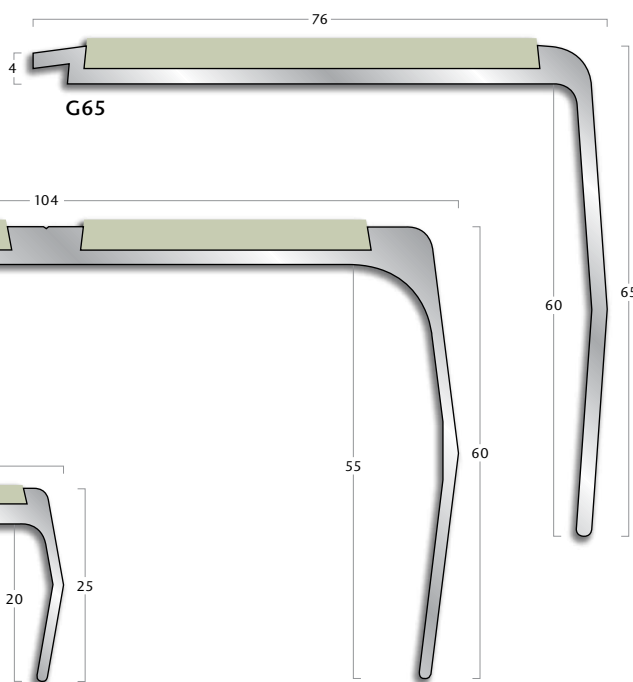
For recommended trims see individual profiles.

For further information on associated trims see pages 48 to 53.

Fusion bonded inserts supplied with capping plugs to conceal screw heads after fixing



section 1



G54
recommended trim: TA5C, TA5, TA42
not available curved
illustration shown at 75% of actual size.



Front insert should always be in a contrasting colour to the remaining inserts to ensure definition of the step edge. The remaining inserts must always be of the same colour and ideally match the surrounding floorcovering.

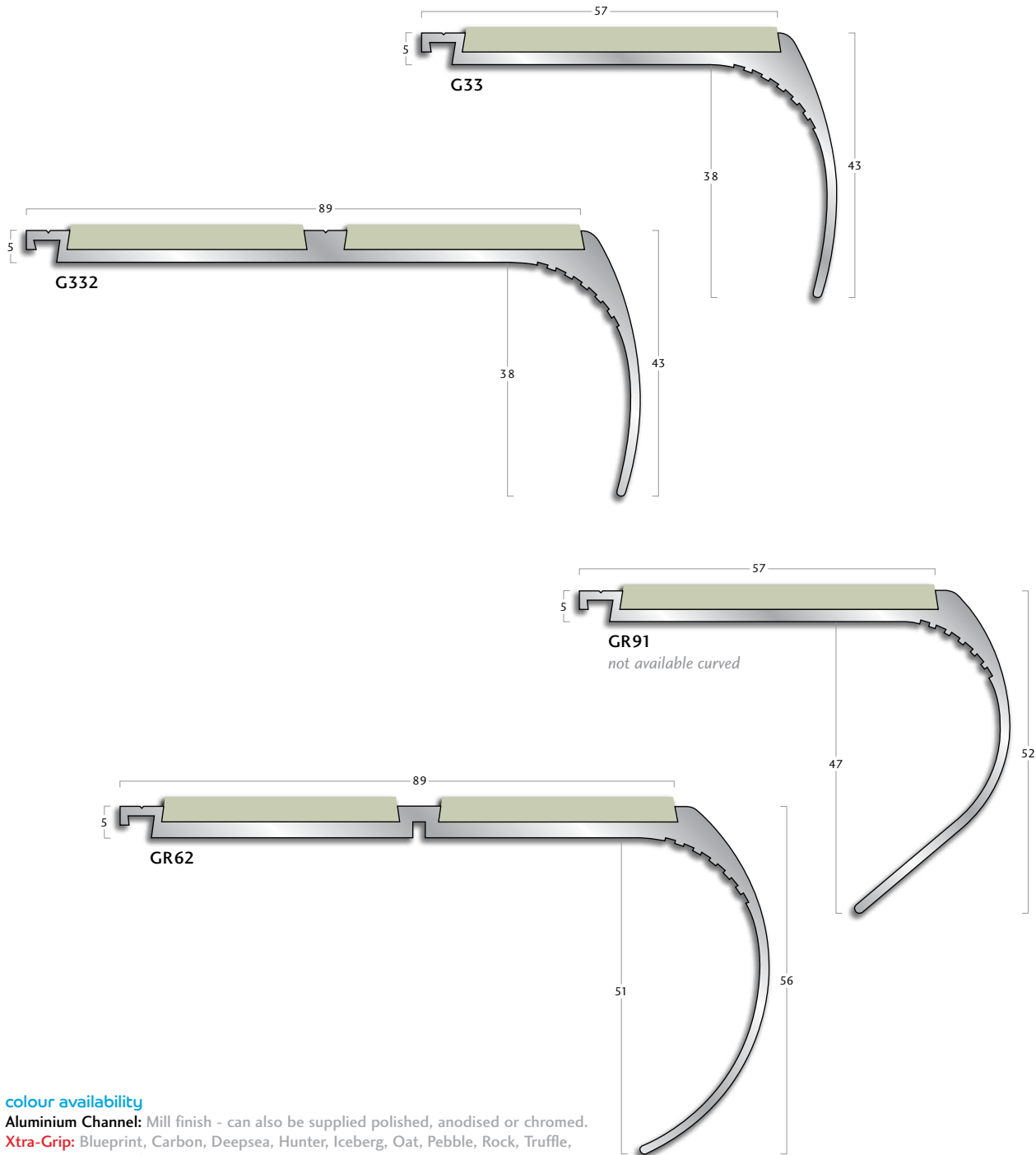
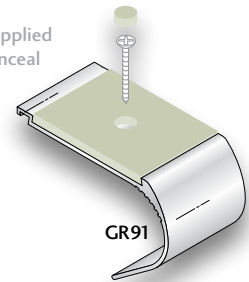
traditional aluminium - G range

G range

For guidance on the correct selection of stair edgings see pages 8 to 11.

Channel	Mill finish aluminium
Insert	Xtra-Grip, Interior or Exterior
Gauge	Typically used with heavy resilient flooring and carpet
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

Fusion bonded inserts supplied with capping plugs to conceal screw heads after fixing



colour availability

Aluminium Channel: Mill finish - can also be supplied polished, anodised or chromed.

Xtra-Grip: Blueprint, Carbon, Deepsea, Hunter, Iceberg, Oat, Pebble, Rock, Truffle, Vapour, Zest (available Spring 2008).

Interior Insert: Alpine, Burgundy, Buttercup, Canvas, Cloud, Coffee, Evergreen, Glacier, Ink, Jet, Lavender, Lead, Linen, Midnight, Nutmeg, Ocean, Photoluminescent (only available to suit channels with a 50mm insert), Poppy, Sage, Snowdrift, Steel, Storm, Veranda.

Interior Insert - Grained: Black, Bluebell, Brown, Dove, Granite.

Exterior Insert: Lignite, Nebula, Nightsky, Sunrise.

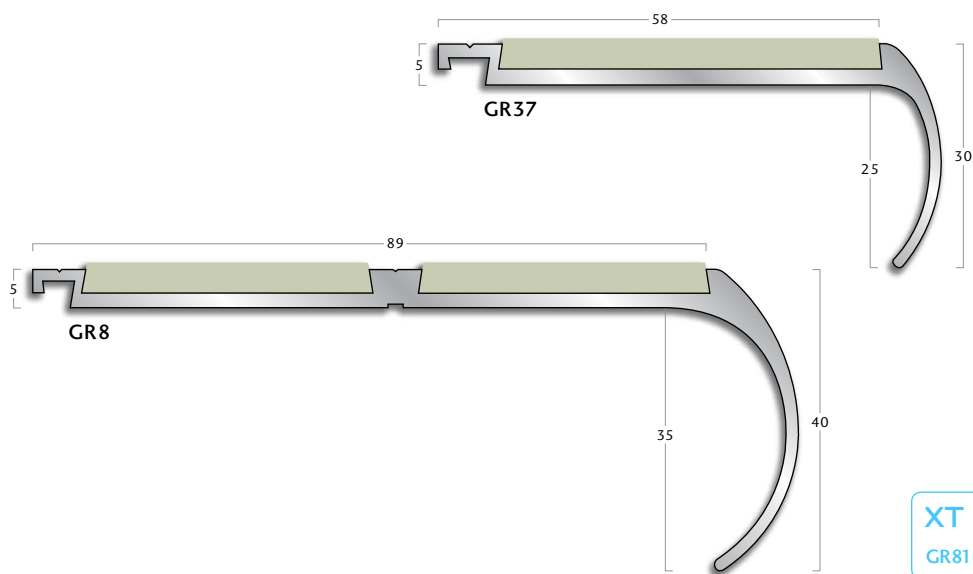
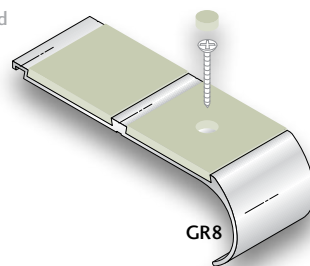
For a quick colour reference guide use the back cover foldout.
For full details on Colour Availability see pages 12 to 13.

trims

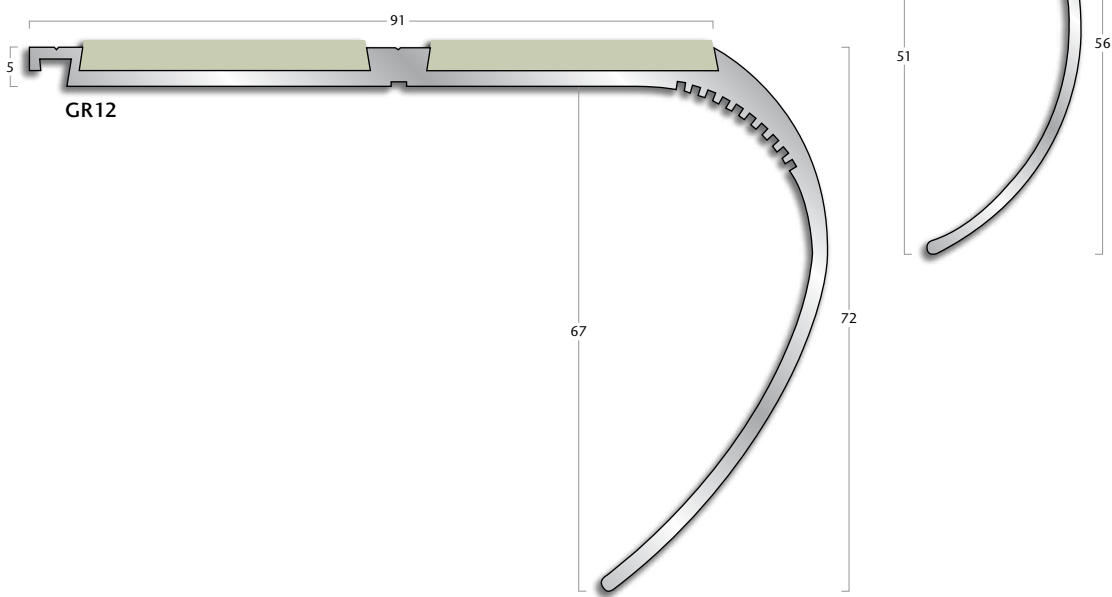
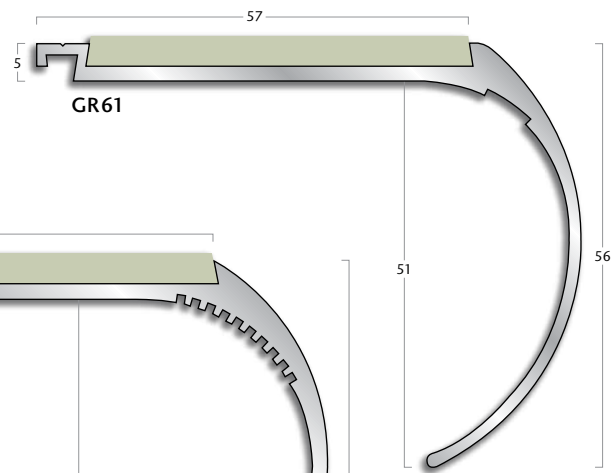
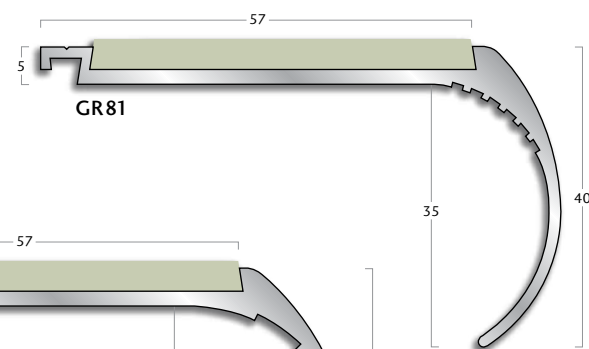
For recommended trims see individual profiles.

For further information on associated trims see pages 48 to 53.

Fusion bonded inserts supplied with capping plugs to conceal screw heads after fixing



XT range
GR81 also available as XT profile see page 16.



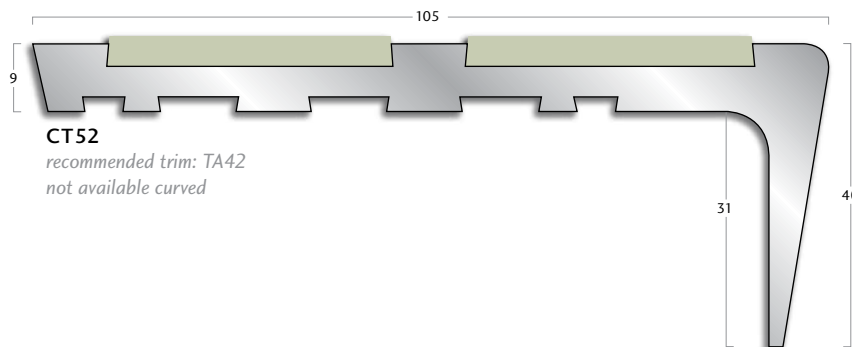
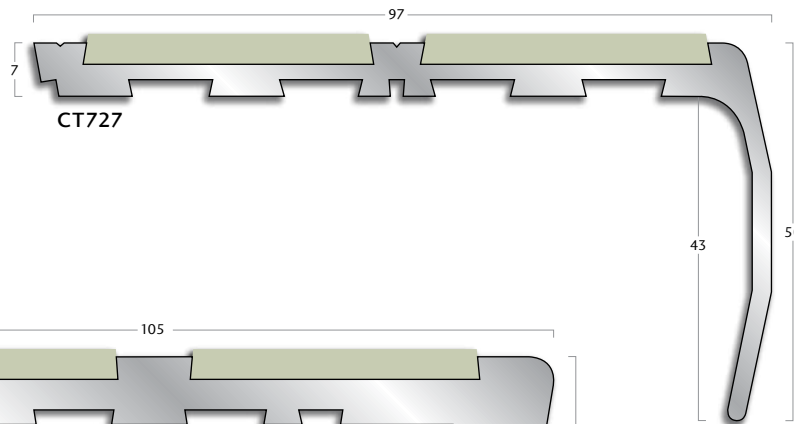
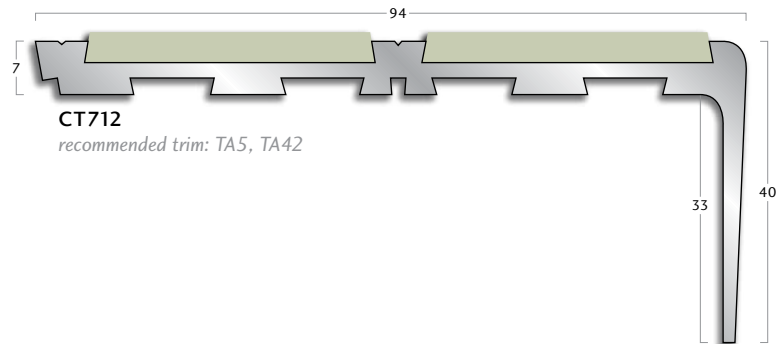
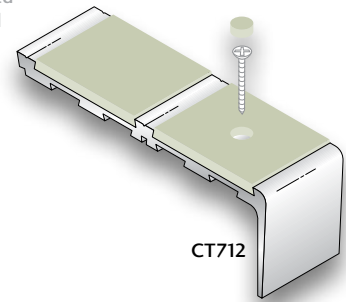
traditional aluminium - CT range

CT range

For guidance on the correct selection of stair edgings see pages 8 to 11.

Channel	Mill finish aluminium
Insert	Xtra-Grip, Interior or Exterior
Gauge	Typically used with carpet, wood, ceramics and other heavy duty floorcoverings
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

Fusion bonded inserts supplied with capping plugs to conceal screw heads after fixing



colour availability

Aluminium Channel: Mill finish - can also be supplied polished, anodised or chromed.

Xtra-Grip: Blueprint, Carbon, Deepsea, Hunter, Iceberg, Oat, Pebble, Rock, Truffle, Vapour, Zest (available Spring 2008).

Interior Insert: Alpine, Burgundy, Buttercup, Canvas, Cloud, Coffee, Evergreen, Glacier, Ink, Jet, Lavender, Lead, Linen, Midnight, Nutmeg, Ocean, Photoluminescent (only available to suit channels with a 50mm insert), Poppy, Sage, Snowdrift, Steel, Storm, Veranda.

Interior Insert - Grained: Black, Bluebell, Brown, Dove, Granite.

Exterior Insert: Lignite, Nebula, Nightsky, Sunrise.

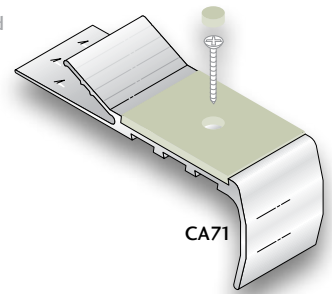
For a quick colour reference guide use the back cover foldout.
For full details on Colour Availability see pages 12 to 13.

trims

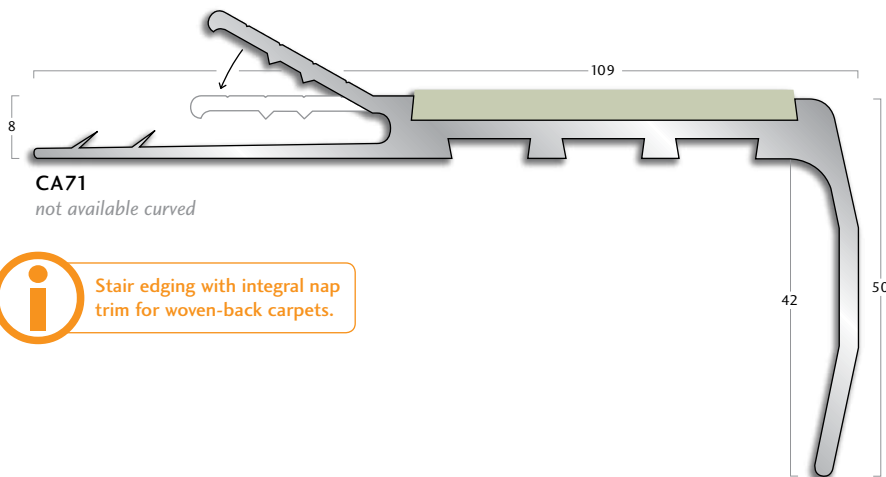
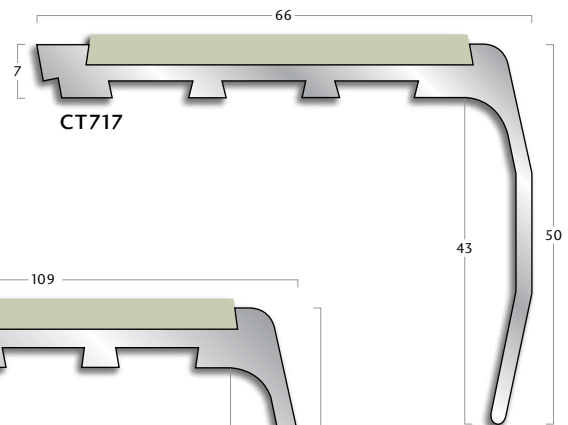
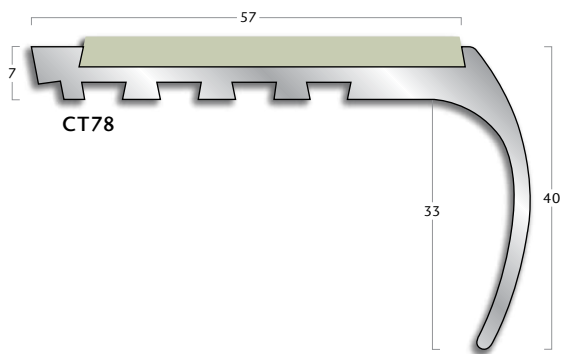
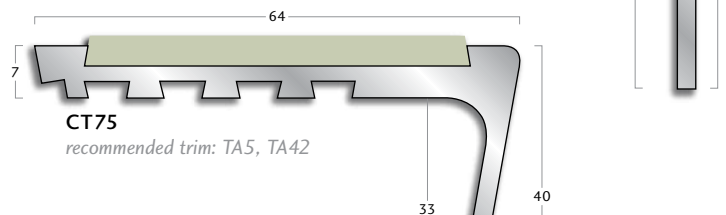
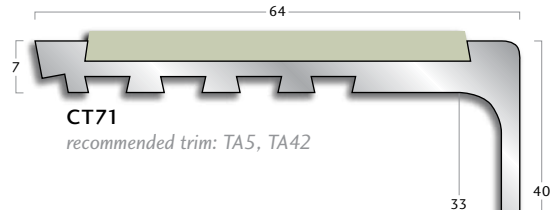
For recommended trims see individual profiles.

For further information on associated trims see pages 48 to 53.

Fusion bonded inserts supplied with capping plugs to conceal screw heads after fixing



section 1



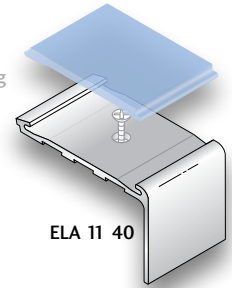
i Stair edging with integral nap trim for woven-back carpets.

elite range

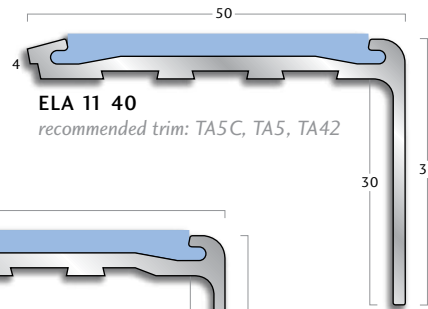
For guidance on the correct selection of stair edgings see pages 8 to 11.

Channel	Mill finish aluminium
Insert	Interior
Gauge	Typically used with heavy resilient flooring and carpet
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

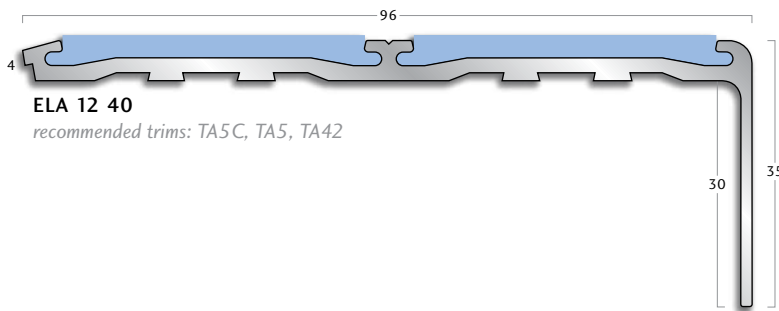
Concealed fixing eliminating the need for screw head cover plugs



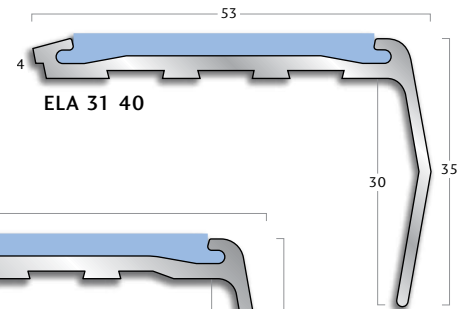
ELA 11 40



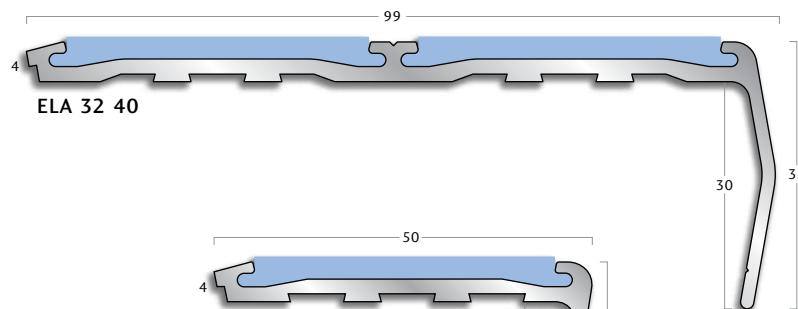
ELA 11 40
recommended trim: TA5C, TA5, TA42



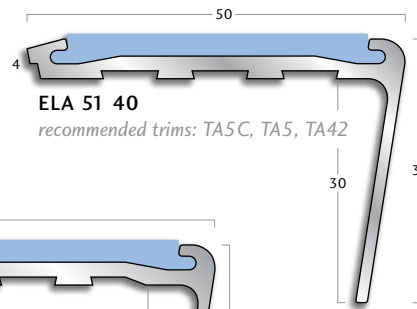
ELA 12 40
recommended trims: TA5C, TA5, TA42



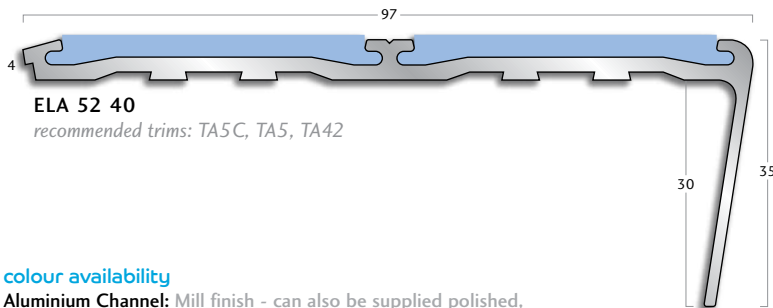
ELA 31 40



ELA 32 40



ELA 51 40
recommended trims: TA5C, TA5, TA42



ELA 52 40
recommended trims: TA5C, TA5, TA42



Design Service
see page 171.

colour availability

Aluminium Channel: Mill finish - can also be supplied polished, anodised or chromed.

Interior Insert: Alpine, Burgundy, Buttercup, Canvas, Cloud, Coffee, Evergreen, Glacier, Ink, Jet, Lavender, Lead, Linen, Midnight, Nutmeg, Ocean, Poppy, Sage, Snowdrift, Steel, Storm, Veranda.

Elite Insert is supplied separately from the channel and must be specified separately.

The final 2 digits in the profile code indicate the width of insert required.

ELINS40 (40mm), ELINS50 (50mm), ELINS65 (65mm).

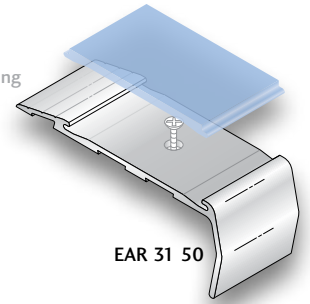
For a quick colour reference guide use the back cover foldout.
For full details on Colour Availability see pages 12 to 13.

trims

For recommended trims see individual profiles.

For further information on associated trims see pages 48 to 53.

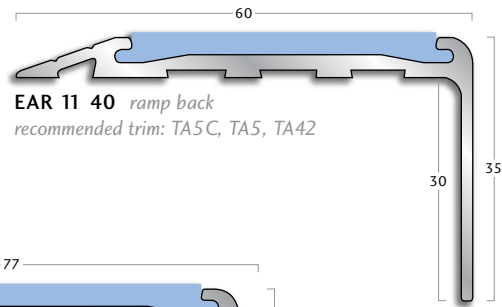
Concealed fixing eliminating the need for screw head cover plugs



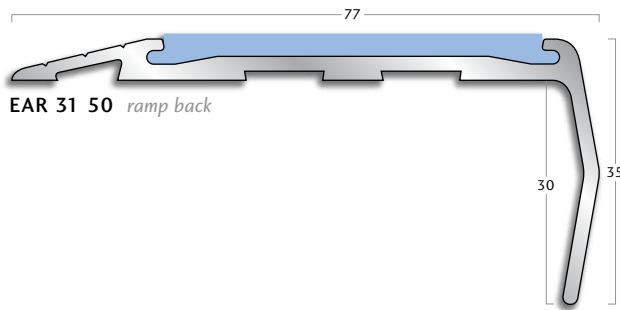
EAR 31 50



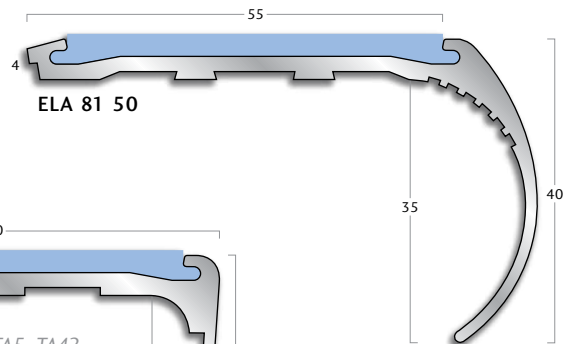
Ramp back profiles are suitable for use on steps where no floorcovering is used. When used with resilient flooring ramp back profiles should be installed on top of the floorcovering.



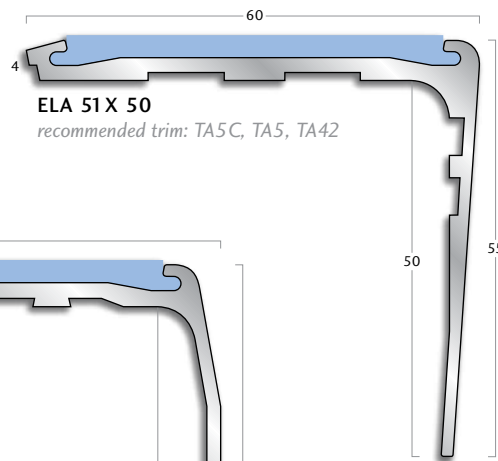
EAR 11 40 ramp back
recommended trim: TA5C, TA5, TA42



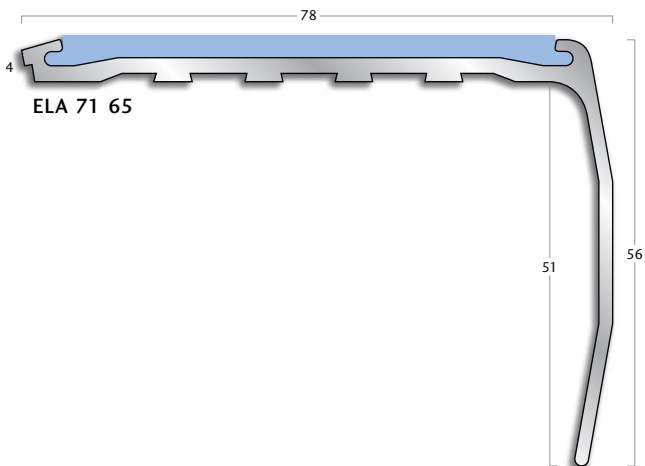
EAR 31 50 ramp back



ELA 81 50



ELA 51 X 50
recommended trim: TA5C, TA5, TA42



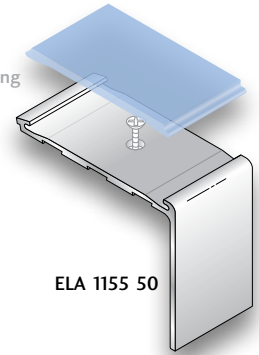
ELA 71 65

elite range

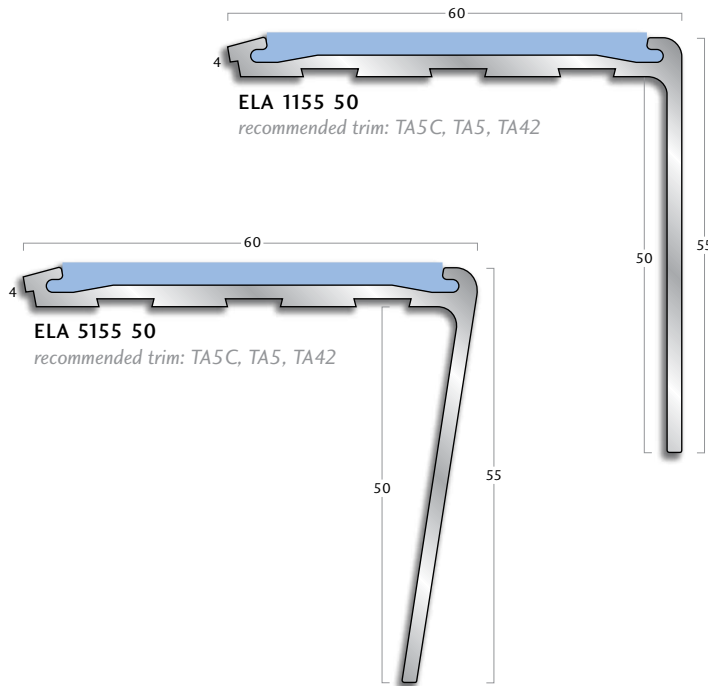
For guidance on the correct selection of stair edgings see pages 8 to 11.

Channel	Mill finish aluminium
Insert	Interior
Gauge	Typically used with heavy resilient flooring and carpet
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

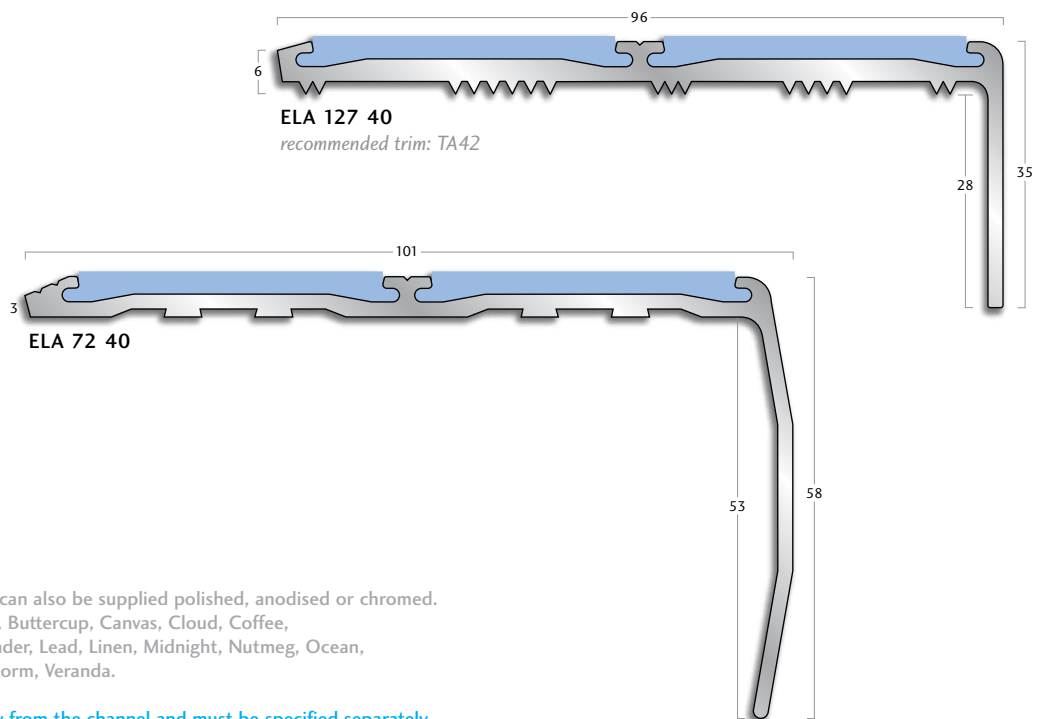
Concealed fixing eliminating the need for screw head cover plugs



ELA 1155 50



Design Service
see page 171.



colour availability

Aluminium Channel: Mill finish - can also be supplied polished, anodised or chromed.

Interior Insert: Alpine, Burgundy, Buttercup, Canvas, Cloud, Coffee, Evergreen, Glacier, Ink, Jet, Lavender, Lead, Linen, Midnight, Nutmeg, Ocean, Poppy, Sage, Snowdrift, Steel, Storm, Veranda.

Elite Insert is supplied separately from the channel and must be specified separately.

The final 2 digits in the profile code indicate the width of insert required.

ELINS40 (40mm), ELINS50 (50mm).

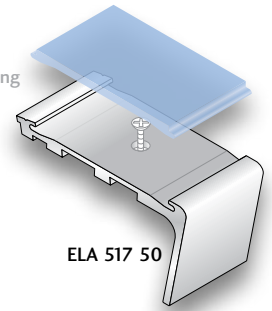
For a quick colour reference guide use the back cover foldout.
For full details on Colour Availability see pages 12 to 13.

trims

For recommended trims see individual profiles.

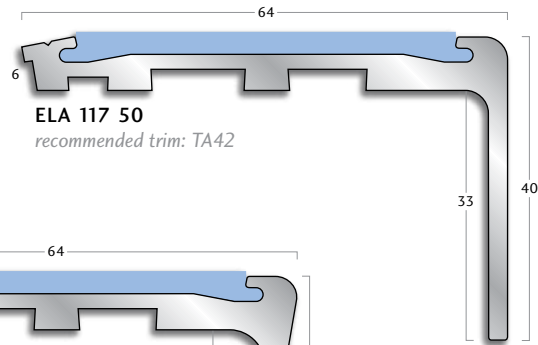
For further information on associated trims see pages 48 to 53.

Concealed fixing eliminating the need for screw head cover plugs

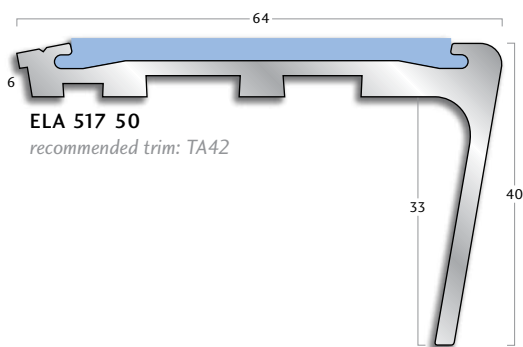


ELA 517 50

section 1

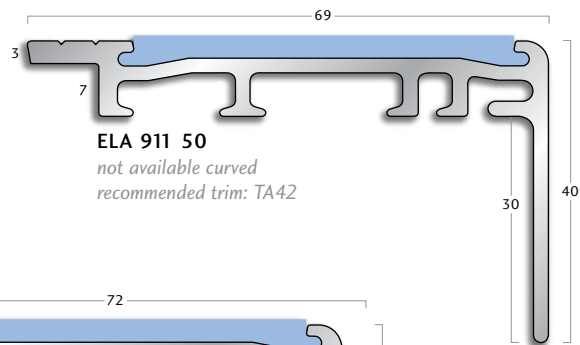


ELA 117 50
recommended trim: TA42

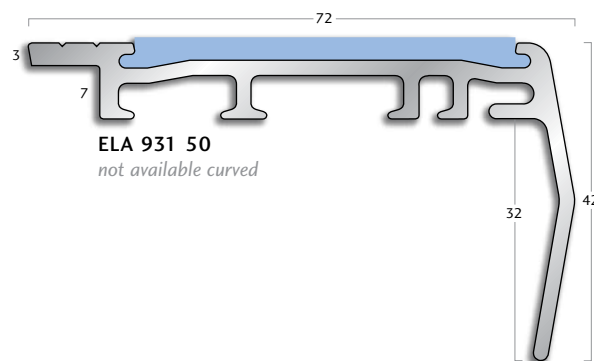


ELA 517 50
recommended trim: TA42

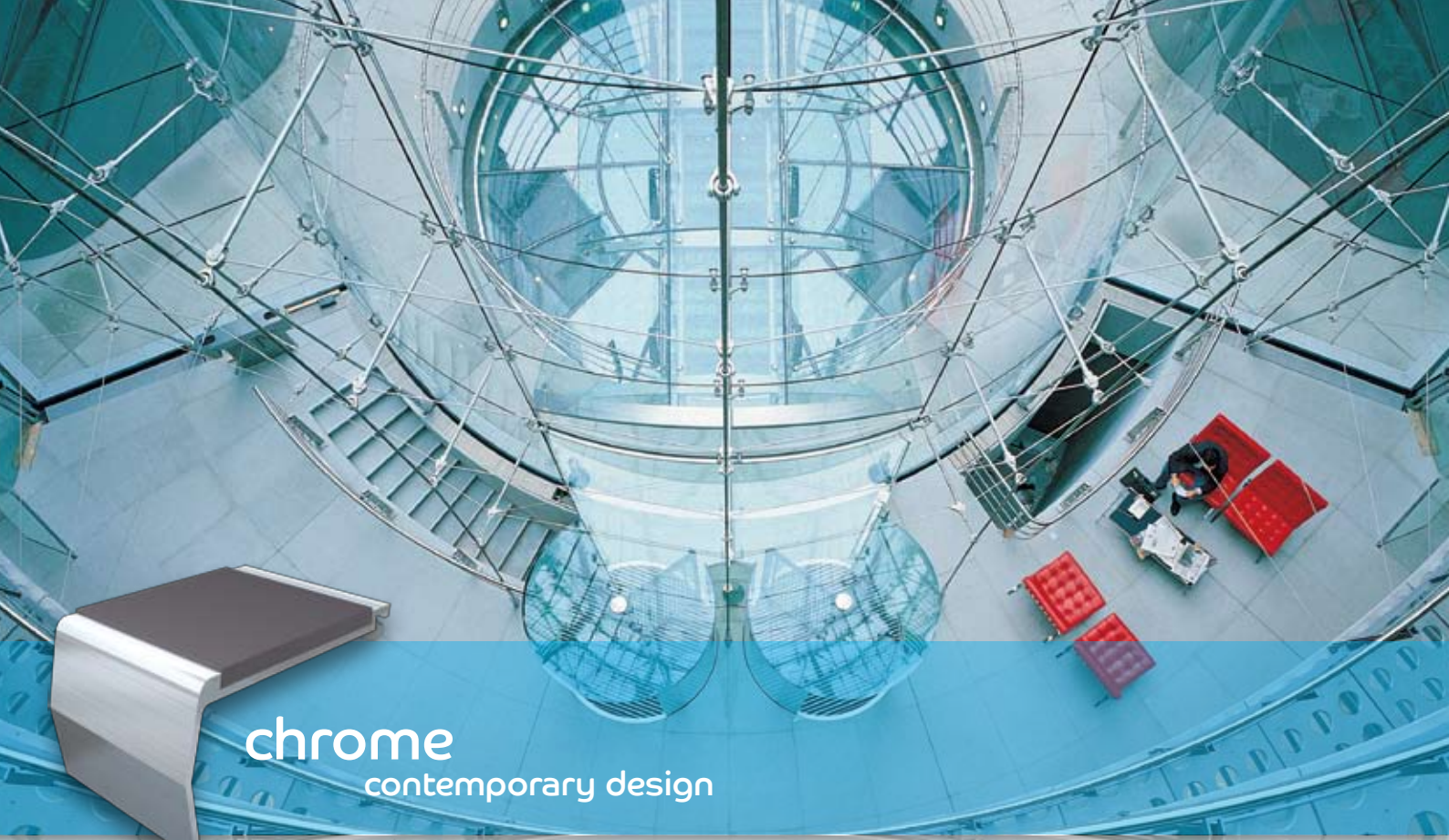
i ELA91150 and ELA93150 for use with carpet tiles with a pre-bonded underlay.



ELA 911 50
not available curved
recommended trim: TA42



ELA 931 50
not available curved



chrome

contemporary design

description

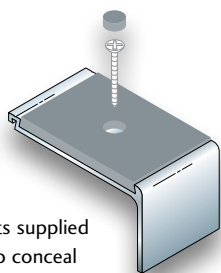
A bright attractive finish offering a contemporary modern look. Comprises chromed aluminium channels with slip resistant inserts (see page 13 for insert colours). For use in conjunction with floorcoverings from all major manufacturers. Suitable for light and medium traffic commercial applications.

shape of step?



* Kinked Face can be used on square and some rake back steps.

traditional stair edging



Traditional
Fusion bonded inserts supplied with capping plugs to conceal screw heads after fixing

profile availability

Gauge of profiles suitable for use with resilient floorcoverings (when used with a suitable bevelled underlay - see page 52) and carpet.

- Profile designs available to accommodate most stair shapes
- Complementary edge trim
- Available cut to finished length only
- Maximum continuous length 2m

finishes / environment

Chrome channels suitable for interior use only.

- In addition to the profiles shown opposite, chrome finish is available in other aluminium stair edgings (except the XT range), subject to minimum order quantity/surcharge
- Choice of insert for interior use: **Xtra-Grip**, available in 11 colours, for interior areas subject to wet conditions; Interior, (Standard and Grained) available in up to 23 colours

installation

Installation guidelines can be found on page 164.

- Traditional: Fusion bonded insert supplied with plugs

services

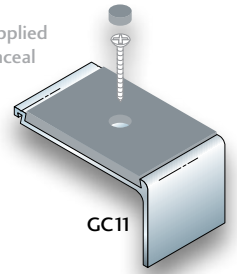
- Technical Services
- Samples
- Design Service
- Profiles can be fabricated
- Measuring and templating

Chrome range

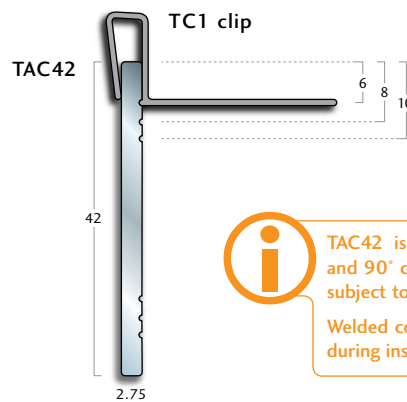
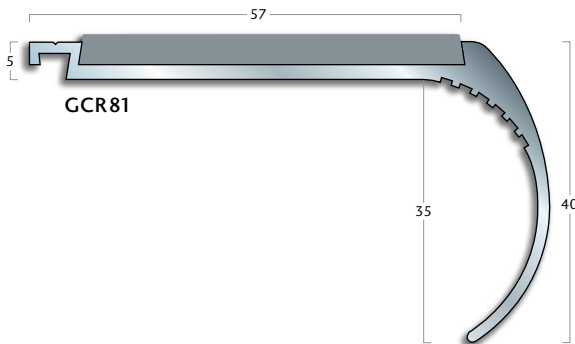
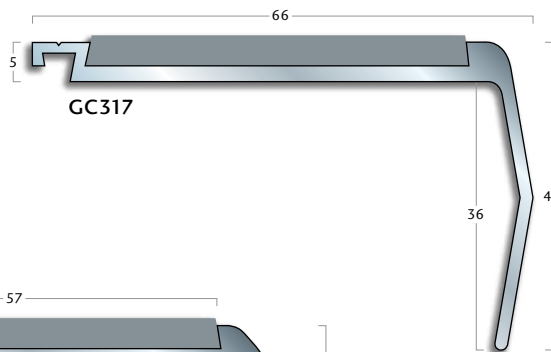
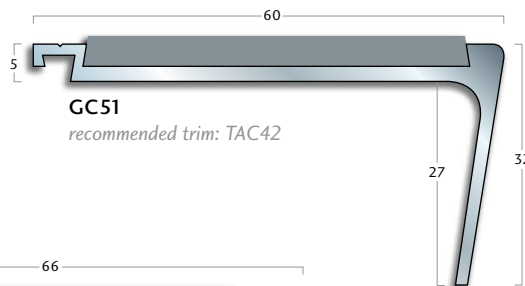
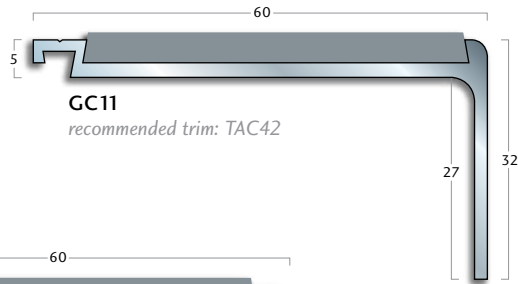
For guidance on the correct selection of stair edgings see pages 8 to 11.

Channel	Chrome finish aluminium
Insert	Xtra-Grip or Interior
Gauge	Typically used with resilient flooring (when used with a suitable bevelled underlay - page 52) and carpet
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

Fusion bonded inserts supplied with capping plugs to conceal screw heads after fixing



Design Service
see page 171.



i TAC42 is available as standard in 83° and 90° corners. Other angles available subject to minimum quantity/surcharge. Welded corners should be mitre finished during installation and not butt jointed.

colour availability

Xtra-Grip: Blueprint, Carbon, Deepsea, Hunter, Iceberg, Oat, Pebble, Rock, Truffle, Vapour, Zest (available Spring 2008).

Interior Insert: Alpine, Burgundy, Buttercup, Canvas, Cloud, Coffee, Evergreen, Glacier, Ink, Jet, Lavender, Lead, Linen, Midnight, Nutmeg, Ocean, Photoluminescent (only available to suit channels with a 50mm insert), Poppy, Sage, Snowdrift, Steel, Storm, Veranda.

Interior Insert - Grained: Black, Bluebell, Brown, Dove, Granite.

For a quick colour reference guide use the back cover foldout. For full details on Colour Availability see pages 12 to 13.

trims

For recommended trims see individual profiles. For further information on associated trims see pages 48 to 53.



bronze prestigious locations

description

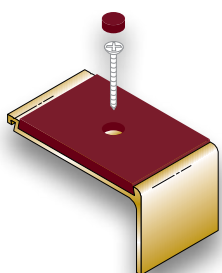
An extensive range of attractive and hardwearing stair edgings comprising bronze channels with slip resistant inserts. For use with most floorcoverings. Provides an ideal finish for prestigious locations such as theatres, banks, hotels etc. Stair edgings help to achieve an inclusive environment in line with The Building Regulations 2000 - Approved Document M (May 2004) see pages 168 and 169.

shape of step?

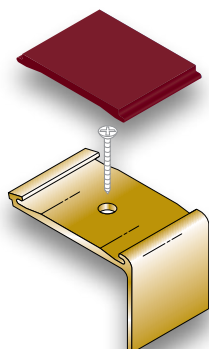


* Kinked Face can be used on square and some rake back steps.

which stair edging?



Traditional
Fusion bonded inserts supplied with capping plugs to conceal screw heads after fixing



Elite
Concealed fixing eliminating the need for screw head cover plugs

profile availability

Gauge of profiles suitable for most floorcoverings.
See page 56 for recommended stair edging to suit floorcovering.

- Profile designs available to accommodate most stair shapes
- Choice of Traditional or Elite profiles
- Choice of profile to suit traffic conditions e.g. single or double channel
- Complementary edge trims

finishes / environment

Bronze channels suitable for interior and exterior use.

- Insert choice for interior and exterior use
- Channels in polished manganese bronze. Use a proprietary metal polish to maintain polished finish or allow to oxidise naturally
- When specifying a double channel stair edging both inserts should be the same colour, and should be of a contrasting colour to the surrounding floor finish
- Choice of insert for interior use: **Xtra-Grip**, available in 11 colours, for interior areas subject to wet conditions (traditional channel only); Interior (Standard, Grained and Elite) available in up to 23 colours
- Exterior insert, available in 4 colours, for exterior areas subject to wet conditions (traditional channel only)

installation

Installation guidelines can be found on page 164.

- Elite: concealed fixing, inserts fitted on site
- Traditional: Fusion bonded insert supplied with plugs

services

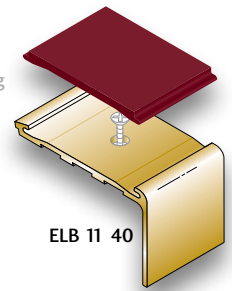
- **Technical Services**
- **Samples**
- **Design Service**
- **Profiles can be fabricated**
- **Measuring and templating**
- **10 year warranty**

elite range

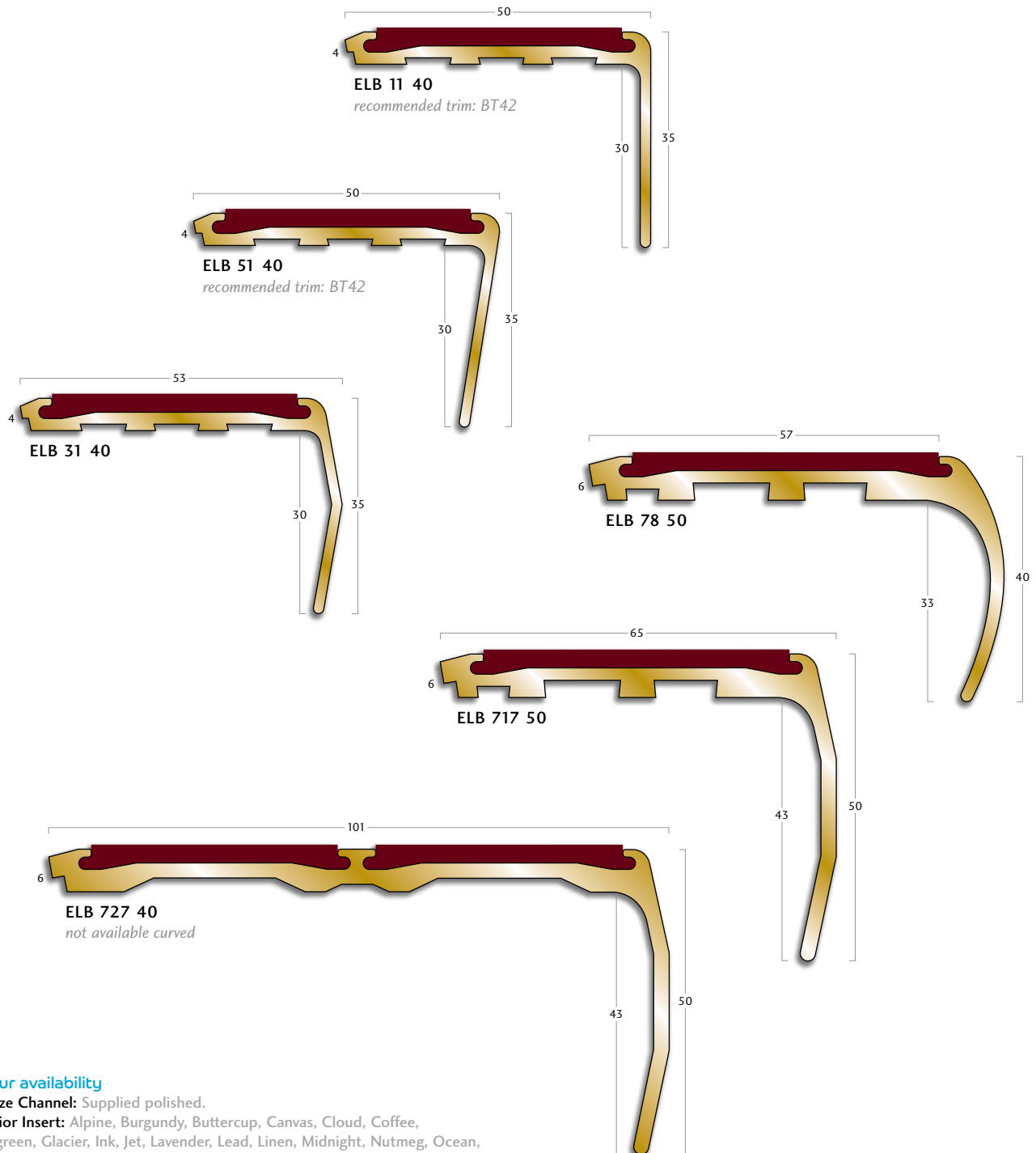
For guidance on the correct selection of stair edgings see pages 8 to 11.

Channel	Polished manganese bronze
Insert	Interior
Gauge	Typically used with heavy resilient flooring and carpet
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

Concealed fixing eliminating the need for screw head cover plugs



section 1



colour availability

Bronze Channel: Supplied polished.

Interior Insert: Alpine, Burgundy, Buttercup, Canvas, Cloud, Coffee, Evergreen, Glacier, Ink, Jet, Lavender, Lead, Linen, Midnight, Nutmeg, Ocean, Poppy, Sage, Snowdrift, Steel, Storm, Veranda.

Elite Insert is supplied separately from the channel and must be specified separately.

The final 2 digits in the profile code indicate the width of insert required.

ELINS40 (40mm), ELINS50 (50mm).

For a quick colour reference guide use the back cover foldout.

For full details on Colour Availability see pages 12 to 13.

trims

For recommended trims see individual profiles.

For further information on associated trims see pages 48 to 53.

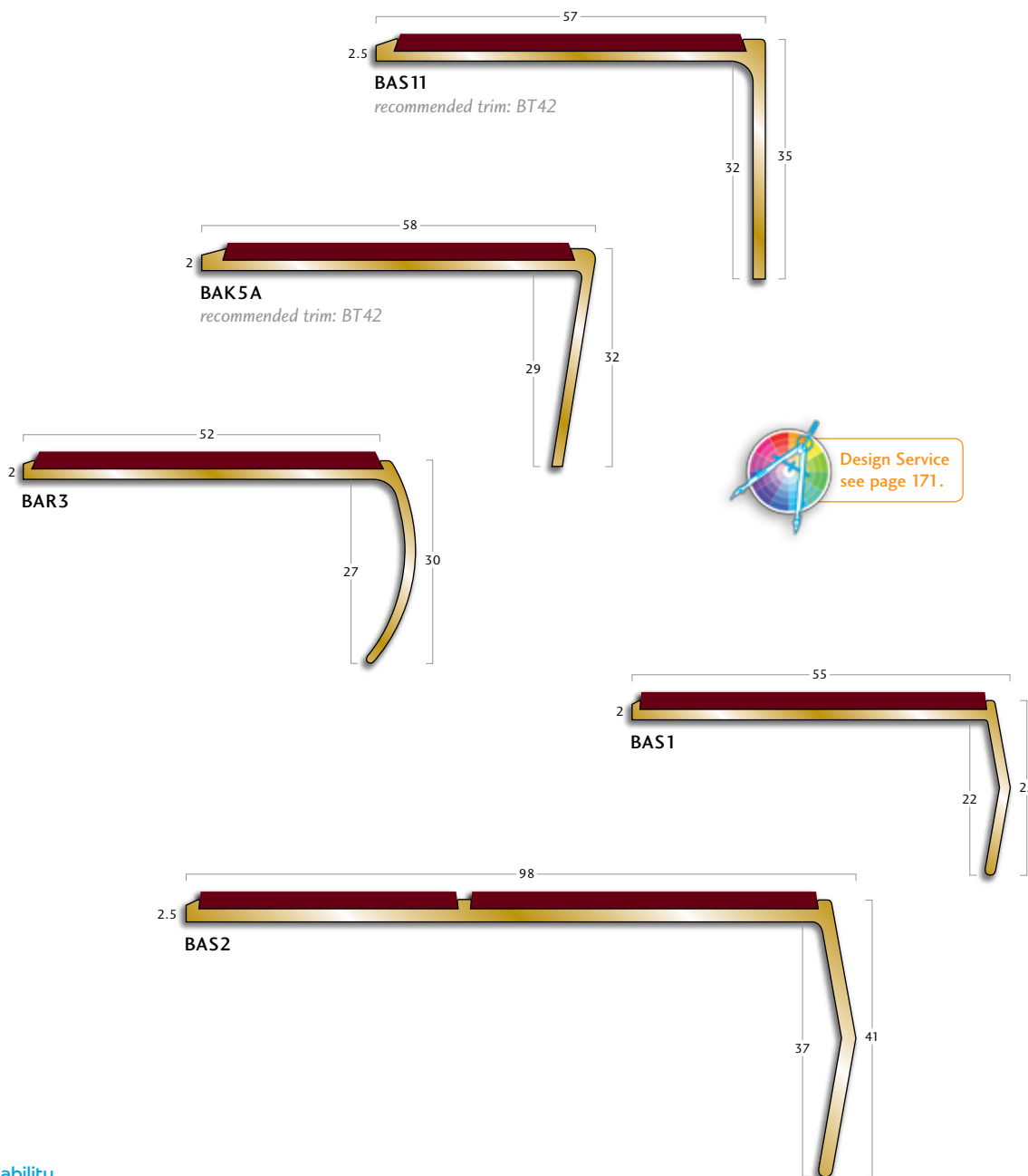
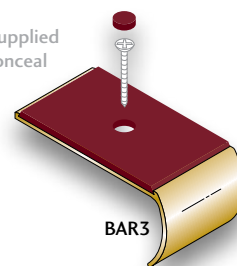
traditional bronze - BA range

BA range

For guidance on the correct selection of stair edgings see pages 8 to 11.

Channel	Polished manganese bronze
Insert	Xtra-Grip, Interior or Exterior
Gauge	Typically used with resilient flooring
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

Fusion bonded inserts supplied with capping plugs to conceal screw heads after fixing



colour availability

Bronze Channel: Supplied polished.

Xtra-Grip: Blueprint, Carbon, Deepsea, Hunter, Iceberg, Oat, Pebble, Rock, Truffle, Vapour, Zest (available Spring 2008).

Interior Insert: Alpine, Burgundy, Buttercup, Canvas, Cloud, Coffee, Evergreen, Glacier, Ink, Jet, Lavender, Lead, Linen, Midnight, Nutmeg, Ocean, Photoluminescent (only available to suit channels with a 50mm insert), Poppy, Sage, Snowdrift, Steel, Storm, Veranda.

Interior Insert - Grained: Black, Bluebell, Brown, Dove, Granite.

Exterior Insert: Lignite, Nebula, Nightsky, Sunrise.

For a quick colour reference guide use the back cover foldout.
For full details on Colour Availability see pages 12 to 13.

trims

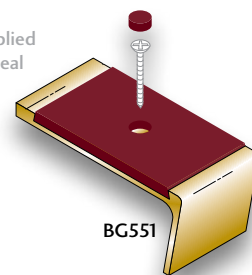
For recommended trims see individual profiles.
For further information on associated trims see pages 48 to 53.

BG range

For guidance on the correct selection of stair edgings see pages 8 to 11.

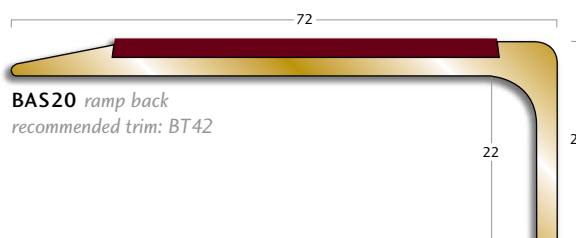
Channel	Polished manganese bronze
Insert	Xtra-Grip, Interior or Exterior
Gauge	Typically used with heavy resilient flooring and carpet
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

Fusion bonded inserts supplied with capping plugs to conceal screw heads after fixing

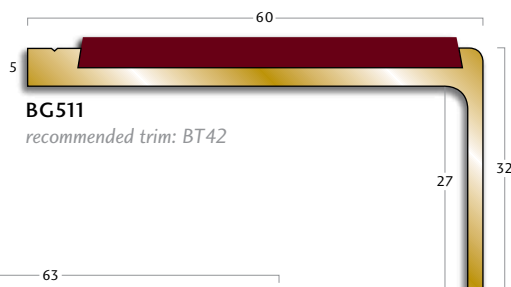


BC551

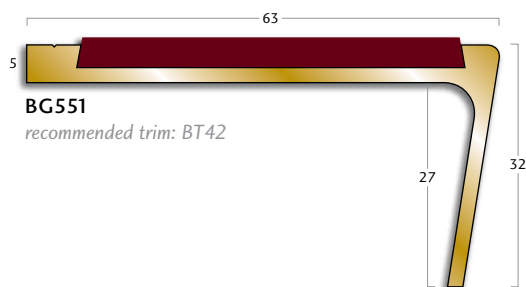
i Ramp back profiles are suitable for use on steps where no floorcovering is used. When used with resilient flooring ramp back profiles should be installed on top of the floorcovering.



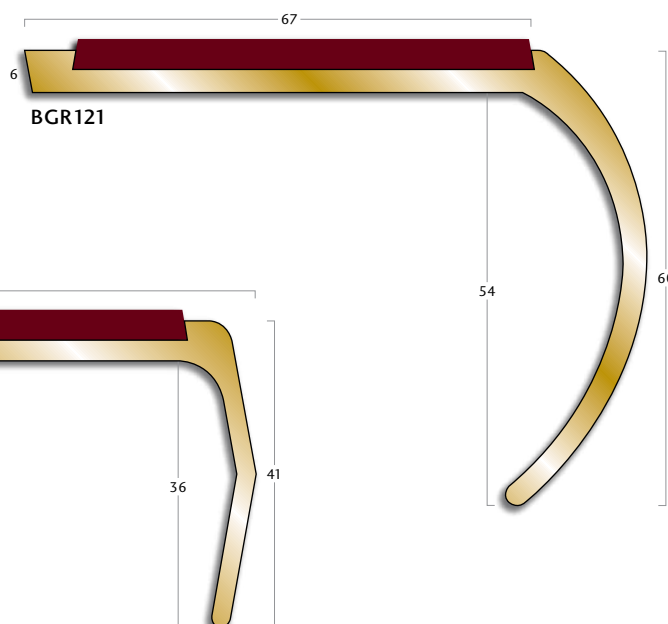
BAS20 ramp back
recommended trim: BT42



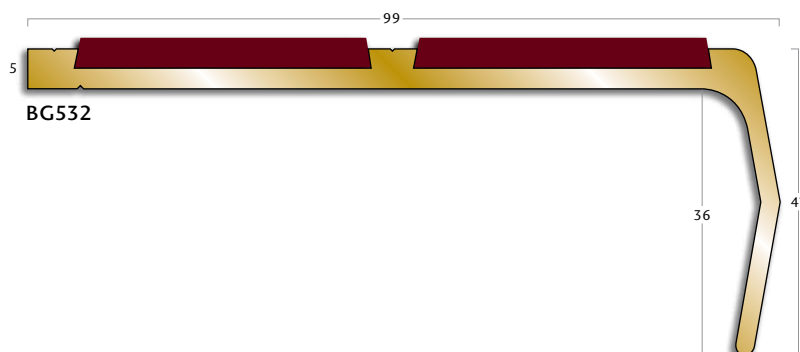
BG511
recommended trim: BT42



BG551
recommended trim: BT42



BGR121



BG532

section 1



PVC-u hardnose® decorative colours and effects

Peter MacKinven/View.

description

Gradus Hardnose® is an extensive range of attractive and hardwearing stair edgings comprising PVC-u channels and slip resistant inserts that can be used to complement any design scheme.

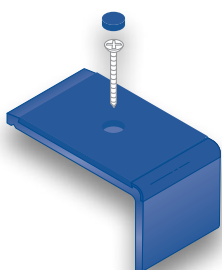
A choice of Traditional and Elite channels is available in satin and metallic finish (Elite only) Hardnose, which are combined with a choice of inserts. The ideal solution for creating a single solid band of colour to define the step edge, in line with Approved Document M (ADM) 2004 guidelines (see pages 168 and 169). In addition, the Hardnose DDA and RNC profiles provide a new edge in safety for stairs and have been developed in line with the latest research from BRE (see page 170).

shape of step?

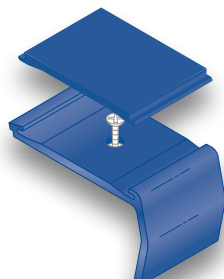


* Kinked Face can be used on square and some rake back steps.

which stair edging?



Traditional
Fusion bonded inserts supplied with capping plugs to conceal screw heads after fixing



Elite
Concealed fixing eliminating the need for screw head cover plugs

profile availability

Gauge of profiles suitable for most floorcoverings.
See page 56 for recommended stair edging to suit floorcovering.

- Profile designs available to accommodate most stair shapes
- Choice of profile to suit traffic levels e.g. single or double channel
- Complementary edge trims
- Choice of Traditional or Elite profiles
- New DDA and RNC profiles offering additional slip resistance

finishes / environment

PVC-u Hardnose channels suitable for interior use.

- It is recommended that channel and insert colours are matched to provide a single solid band of colour that contrasts with the surrounding floorcovering
- When specifying a double channel stair edging both inserts should be the same colour, and should be of a contrasting colour to the surrounding floor finish
- PVC-u channel available in 2 finishes - Satin and Metallic (Elite only)
- Choice of insert for interior use: **Xtra-Grip**, available in 11 colours, for interior areas subject to wet conditions (traditional channel only); Interior (Standard, Grained and Elite) available in up to 23 colours

installation

Installation guidelines can be found on page 164.

- Elite: concealed fixing, inserts fitted on site
- Traditional: Fusion bonded insert supplied with plugs

services

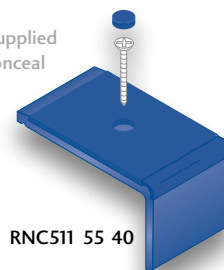
- **Technical Services**
- **Samples**
- **Design Service**
- **Profiles can be fabricated**
- **Measuring and templating**
- **10 year warranty**

DDA + RNC range

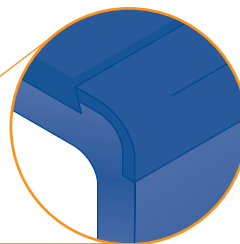
For guidance on the correct selection of stair edgings see pages 8 to 11.

Channel	PVC-u
Insert	Xtra-Grip or Interior
Gauge	RNRC is typically used with resilient floorcoverings or where there is no floorcovering DDA and RNC are suitable for use with carpet
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

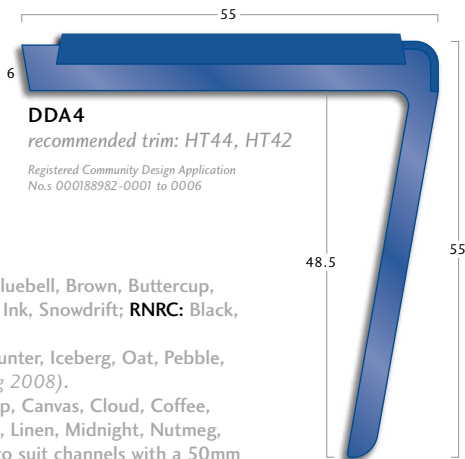
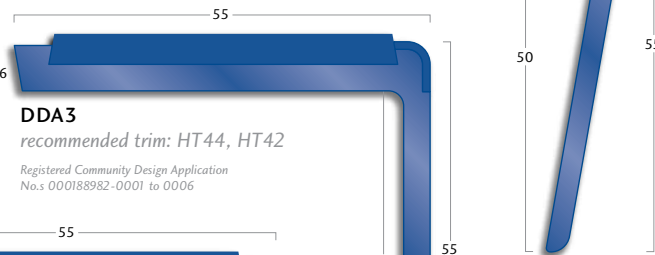
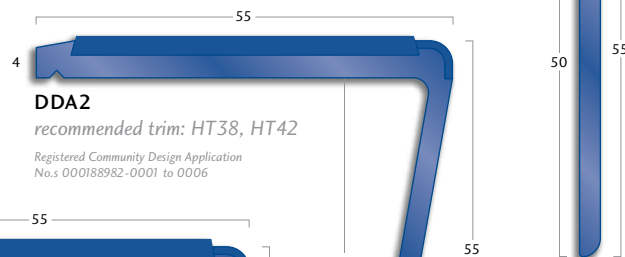
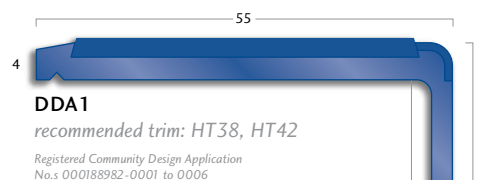
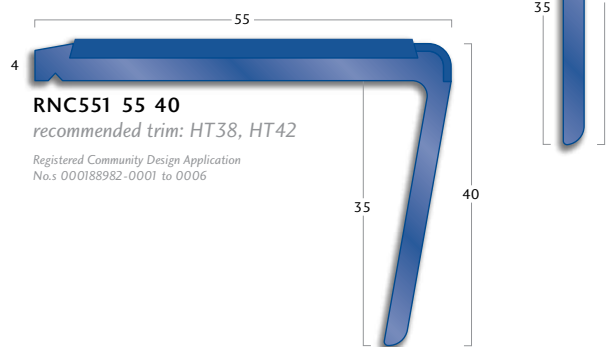
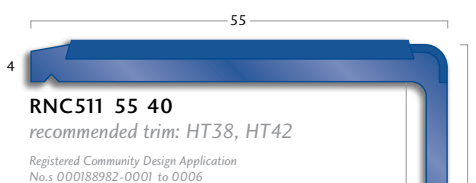
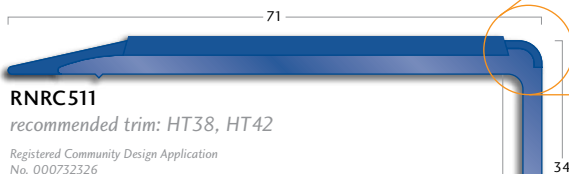
Fusion bonded inserts supplied with capping plugs to conceal screw heads after fixing



RNC511 55 40



section 1



i **DDA + RNC Profiles – the new edge in safety for stairs**
These profiles feature an extended insert design to provide additional slip resistance around the leading edge of the stair edging. This ensures that foot contact is always made with the slip resistant element of the stair edging. Profiles are available with 55mm treads and 40mm or 55mm risers to meet ADM 2004 and BS8300:2001 guidelines.



i For guidance on the use of DDA profiles see pages 168 to 170.

colour availability

Hardnose Channel - DDA + RNC: Black, Bluebell, Brown, Buttercup, Canvas, Dove, Evergreen, Glacier, Granite, Ink, Snowdrift; **RNRC:** Black, Buttercup, Glacier, Granite, Ink.

Xtra-Grip: Blueprint, Carbon, Deepsea, Hunter, Iceberg, Oat, Pebble, Rock, Truffle, Vapour, Zest (available Spring 2008).

Interior Insert: Alpine, Burgundy, Buttercup, Canvas, Cloud, Coffee, Evergreen, Glacier, Ink, Jet, Lavender, Lead, Linen, Midnight, Nutmeg, Ocean, Photoluminescent (only available to suit channels with a 50mm insert), Poppy, Sage, Snowdrift, Steel, Storm, Veranda.

Interior Insert - Grained: Black, Bluebell, Brown, Dove, Granite.

For a quick colour reference guide use the back cover foldout.
For full details on Colour Availability see pages 12 to 13.

trims

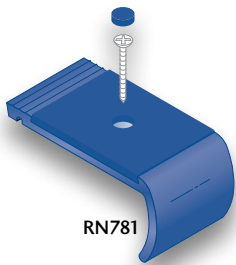
For recommended trims see individual profiles.
For further information on associated trims see pages 48 to 53.

traditional hardnose® - satin finish - RN range

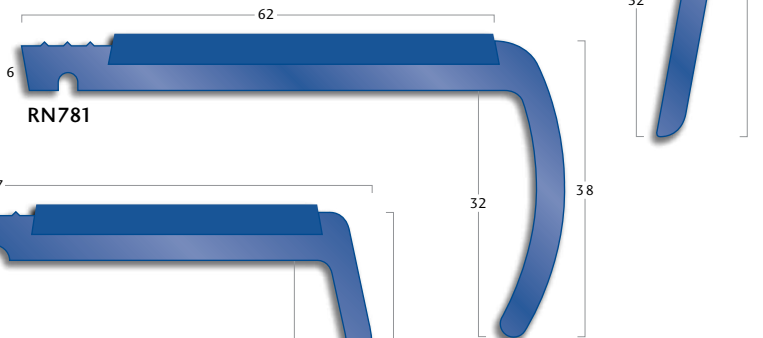
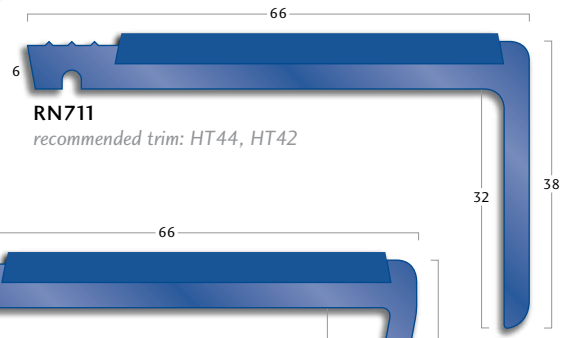
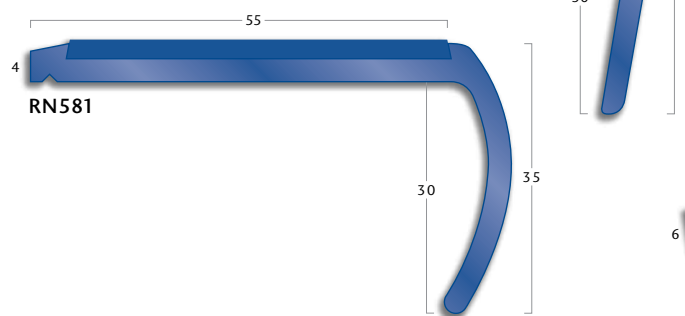
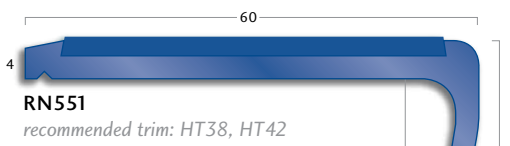
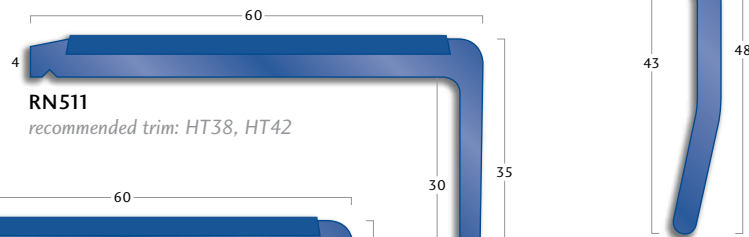
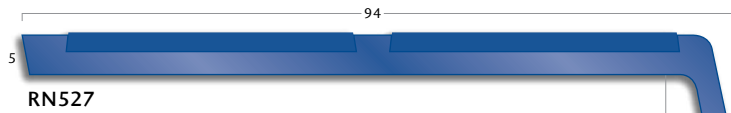
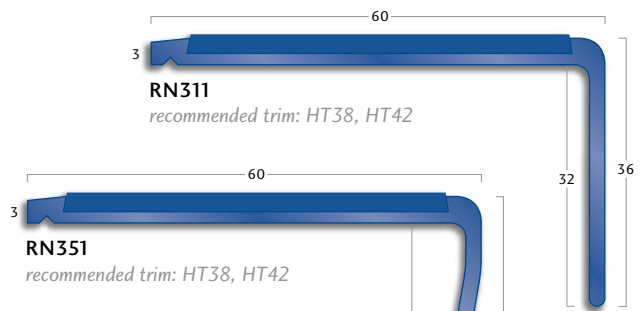
RN range

For guidance on the correct selection of stair edgings see pages 8 to 11.

Channel	PVC-u
Insert	Xtra-Grip or Interior
Gauge	Typically used with resilient flooring and carpet
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.



Fusion bonded inserts supplied with capping plugs to conceal screw heads after fixing



colour availability

Hardnose Channel: Alpine, Black, Bluebell, Brown, Burgundy, Buttercup, Canvas, Dove, Evergreen, Glacier, Granite, Ink, Lavender, Linen, Midnight, Nutmeg, Sage, Snowdrift, Storm, Veranda.

Xtra-Grip: Blueprint, Carbon, Deepsea, Hunter, Iceberg, Oat, Pebble, Rock, Truffle, Vapour, Zest (available Spring 2008).

Interior Insert: Alpine, Burgundy, Buttercup, Canvas, Cloud, Coffee, Evergreen, Glacier, Ink, Jet, Lavender, Lead, Linen, Midnight, Nutmeg, Ocean, Photoluminescent (only available to suit channels with a 50mm insert), Poppy, Sage, Snowdrift, Steel, Storm, Veranda.

Interior Insert - Grained: Black, Bluebell, Brown, Dove, Granite.

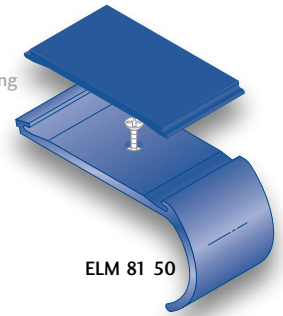
For a quick colour reference guide use the back cover foldout.
For full details on Colour Availability see pages 12 to 13.

elite ELM range

For guidance on the correct selection of stair edgings see pages 8 to 11.

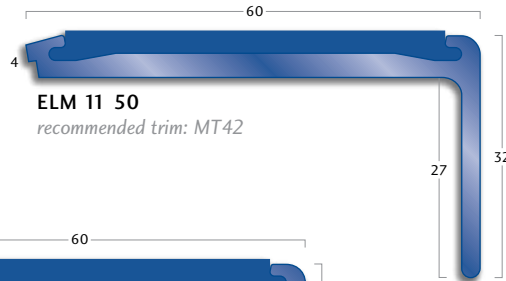
Channel	PVC-u
Insert	Interior
Gauge	Typically used with heavy resilient flooring and carpet
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

Concealed fixing eliminating the need for screw head cover plugs

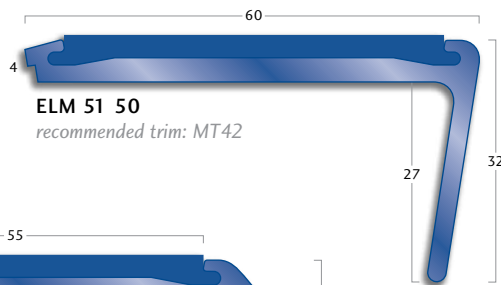


ELM 81 50

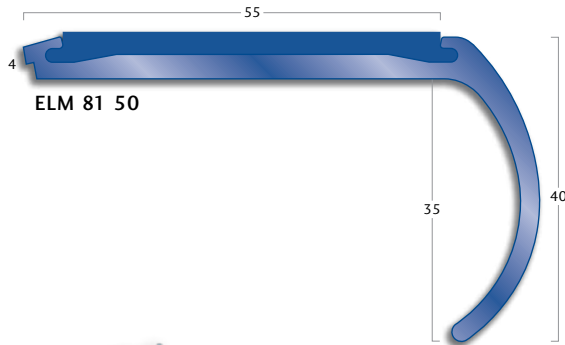
section 1



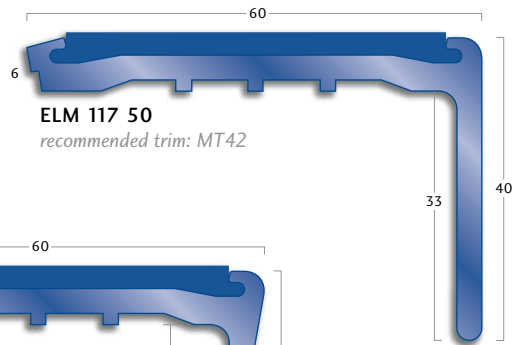
ELM 11 50
recommended trim: MT42



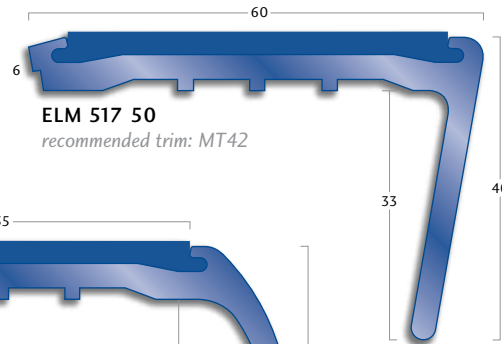
ELM 51 50
recommended trim: MT42



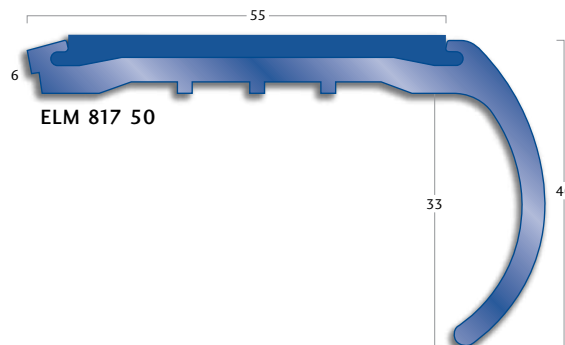
ELM 81 50



ELM 117 50
recommended trim: MT42



ELM 517 50
recommended trim: MT42



ELM 817 50



Design Service
see page 171.

colour availability

Elite Metallic Hardnose Channel: Burnt Almond, Doubloon, Silver, Zinc.

Interior Insert: Alpine, Burgundy, Buttercup, Canvas, Cloud, Coffee, Evergreen, Glacier, Ink, Jet, Lavender, Lead, Linen, Midnight, Nutmeg, Ocean, Poppy, Sage, Snowdrift, Steel, Storm, Veranda.

Elite Insert is supplied separately from the channel and must be specified separately.

The final 2 digits in the profile code indicate the width of insert required.

ELINS50 (50mm).

For a quick colour reference guide use the back cover foldout.

For full details on Colour Availability see pages 12 to 13.

trims

For recommended trims see individual profiles.

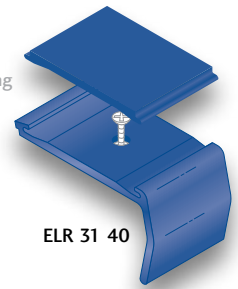
For further information on associated trims see pages 48 to 53.

elite ELR range

For guidance on the correct selection of stair edgings see pages 8 to 11.

Channel	PVC-u
Insert	Interior
Gauge	Typically used with heavy resilient flooring and carpet
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

Concealed fixing eliminating the need for screw head cover plugs



ELR 31 40



colour availability

Elite Hardnose Channel: Alpine, Black, Bluebell, Brown, Burgundy, Buttercup, Canvas, Dove, Evergreen, Glacier, Granite, Ink, Lavender, Linen, Midnight, Nutmeg, Sage, Snowdrift, Storm, Veranda.

Interior Insert: Alpine, Burgundy, Buttercup, Canvas, Cloud, Coffee, Evergreen, Glacier, Ink, Jet, Lavender, Lead, Linen, Midnight, Nutmeg, Ocean, Poppy, Sage, Snowdrift, Steel, Storm, Veranda.

Elite Insert is supplied separately from the channel and must be specified separately.

The final 2 digits in the profile code indicate the width of insert required.

ELINS40 (40mm), ELINS50 (50mm).

For a quick colour reference guide use the back cover foldout.
For full details on Colour Availability see pages 12 to 13.

trims

For recommended trims see individual profiles.

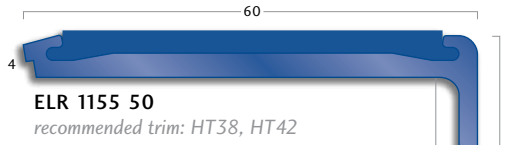
For further information on associated trims see pages 48 to 53.

Concealed fixing eliminating the need for screw head cover plugs

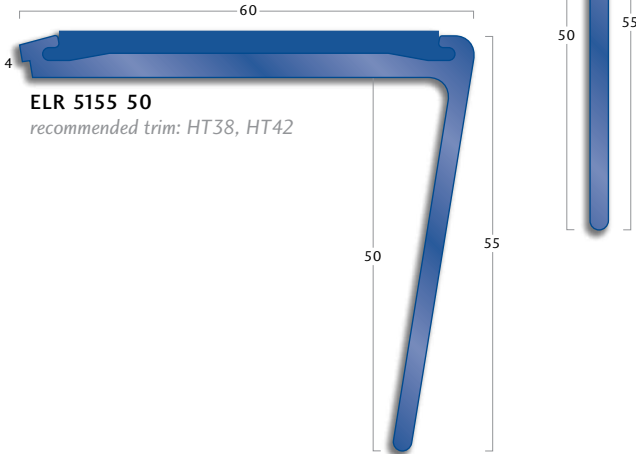


ELR 5155 50

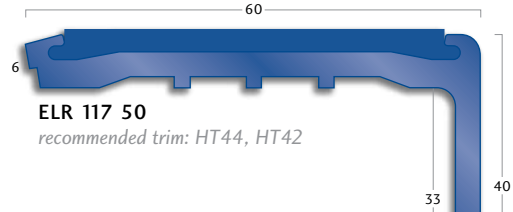
section 1



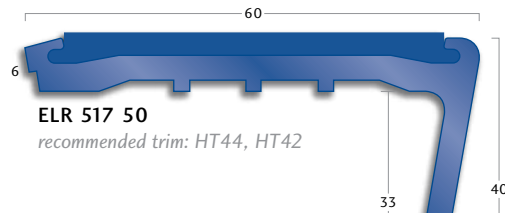
ELR 1155 50
recommended trim: HT38, HT42



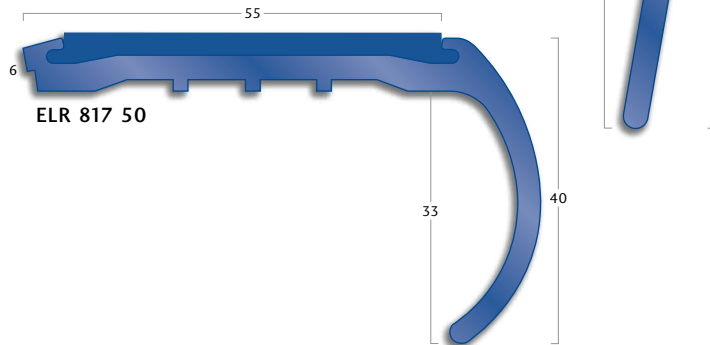
ELR 5155 50
recommended trim: HT38, HT42



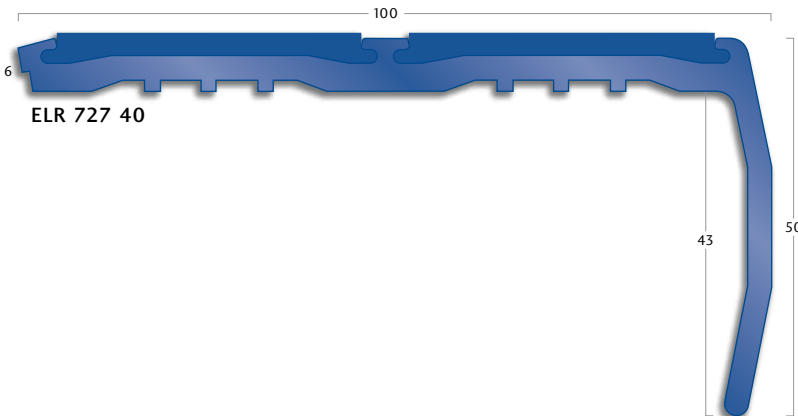
ELR 117 50
recommended trim: HT44, HT42



ELR 517 50
recommended trim: HT44, HT42



ELR 817 50



ELR 727 40



Design Service
see page 171.



flexible pvc for light traffic

description

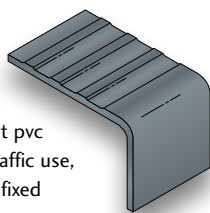
A range of one-piece slip resistant stair edgings recommended for use on escape stairs and in other light traffic areas.

shape of step?



one-piece stair edging

One-piece slip resistant pvc stair edging for light traffic use, cut to size on site and fixed with adhesive



profile availability

Gauge of profiles suitable for resilient floorcoverings. See page 56 for recommended stair edging to suit floorcovering.

- Profile designs available to accommodate most stair shapes
- Available in 2.5 and 3.0mm gauge
- Complementary edge trims
- Supplied in 2.75m and 3.20m stock lengths

finishes / environment

Pvc channels suitable for light traffic interior use.

- Available in choice of 5 colours

installation

Installation guidelines can be found on page 164.

- Cut to size on site. Fixed with suitable adhesive

services

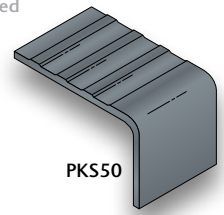
- **Technical Services**
- **Samples**
- **Design Service**

flexible pvc

For guidance on the correct selection of stair edgings see pages 8 to 11.

Channel	Pvc (matt)
Gauge	Recommended for light traffic, e.g. escape stairs Typically used with resilient floorings
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

One piece slip resistant pvc stair edging for light traffic use, cut to size on site and fixed with adhesive

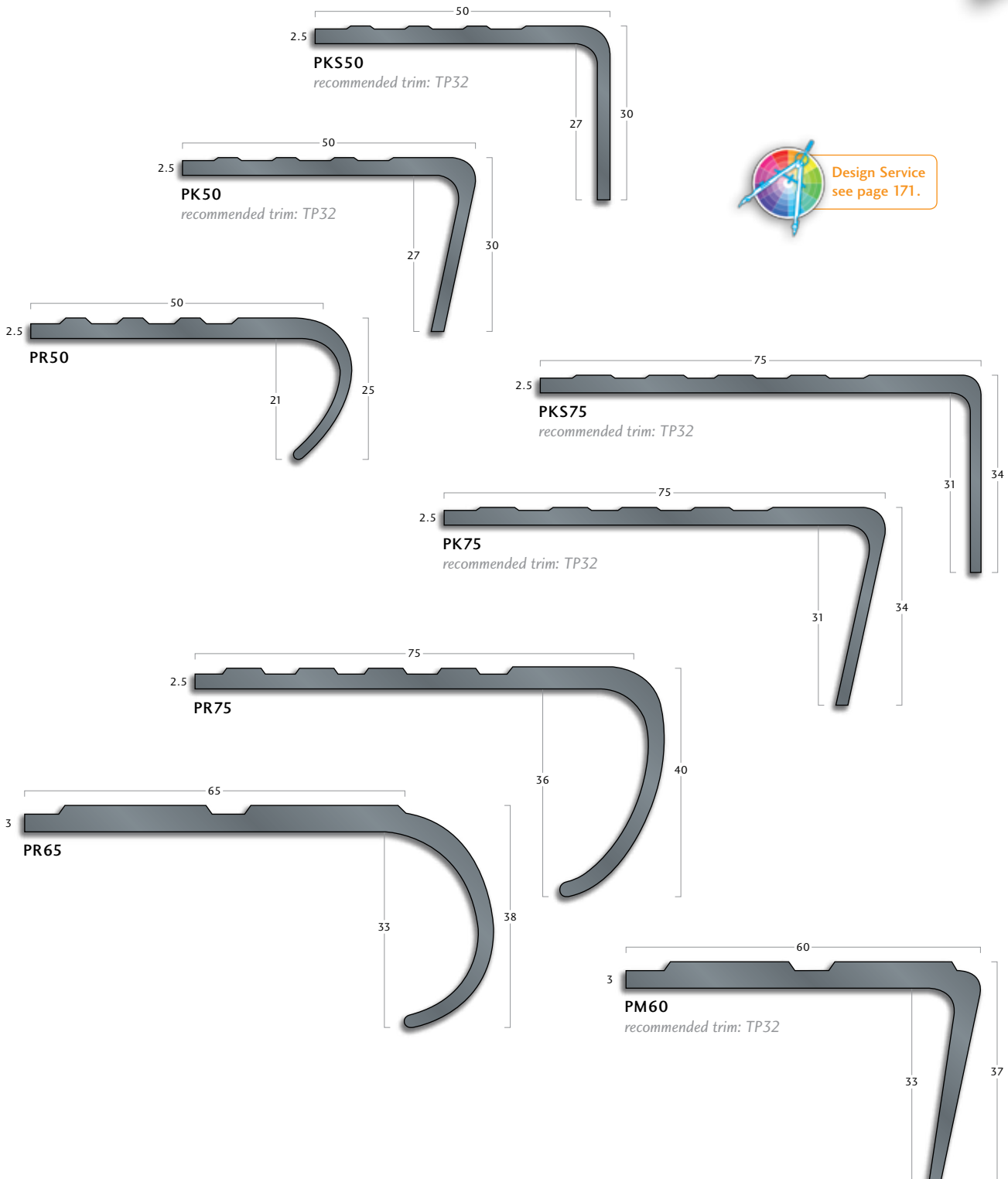


PKS50

section 1



Design Service
see page 171.



colour availability

Flexible pvc: Black, Brown, Dove, Granite, Snowdrift.

For a quick colour reference guide use the back cover foldout.
For full details on Colour Availability see page 12.

trims

For recommended trims see individual profiles.
For further information on associated trims see pages 48 to 53.

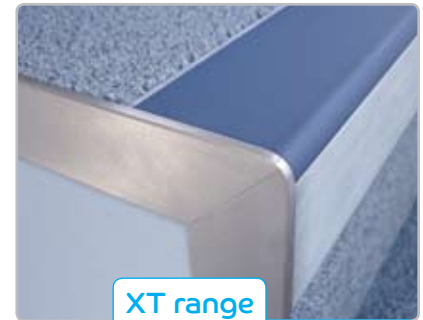
guide to stair trims & welded corners

description

Welded corners are designed to form a neat and attractive edge around the open end of a step by concealing the edge of the floorcovering and stair edging.

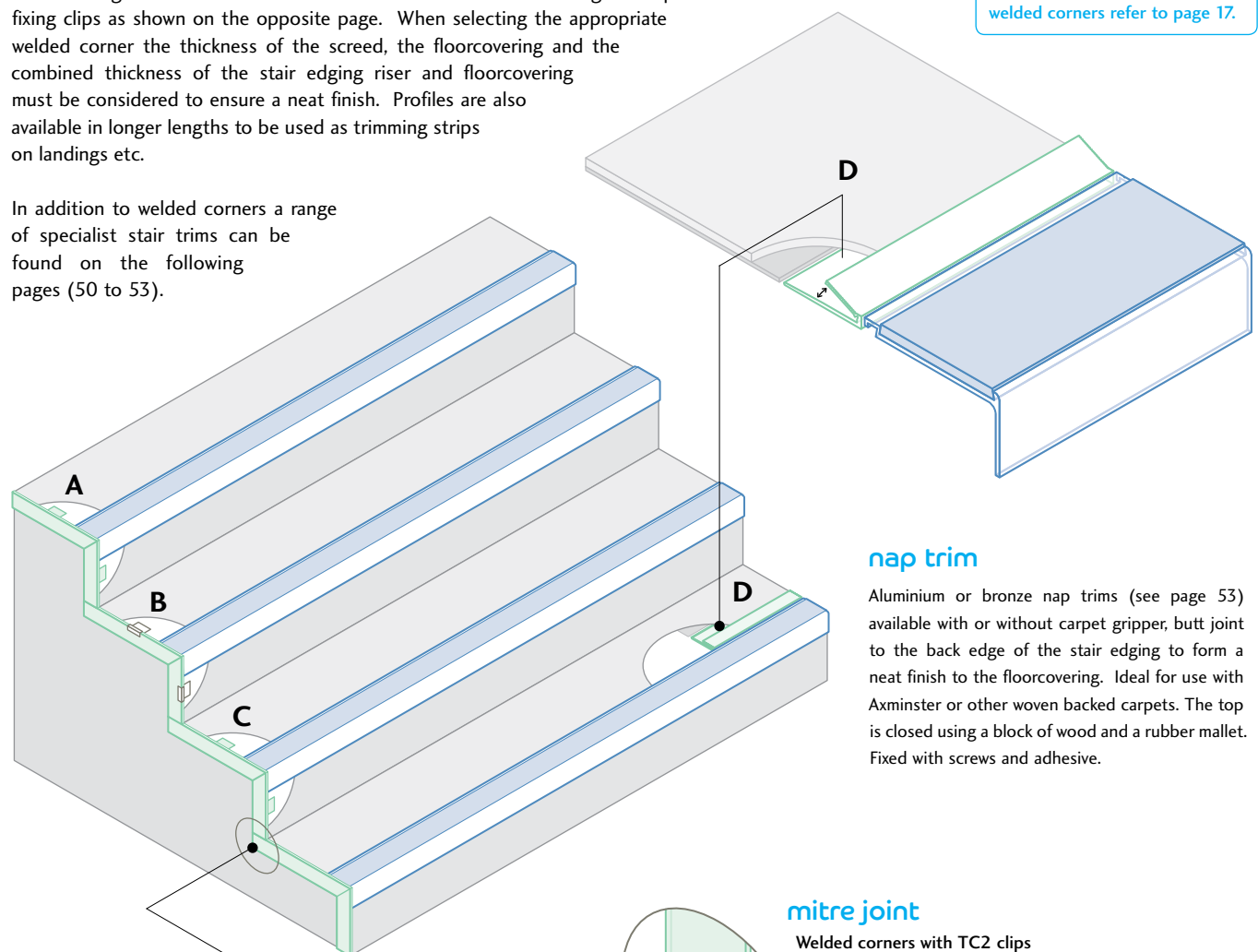
Welded corners are supplied pre-welded to suit the angle between the riser and tread of the step (78°- 90°). They are available in a variety of gauges to suit different floorcoverings. Welded corners are available with either a fixed flange or separate fixing clips as shown on the opposite page. When selecting the appropriate welded corner the thickness of the screed, the floorcovering and the combined thickness of the stair edging riser and floorcovering must be considered to ensure a neat finish. Profiles are also available in longer lengths to be used as trimming strips on landings etc.

In addition to welded corners a range of specialist stair trims can be found on the following pages (50 to 53).



XT range

For details on XT side trims and welded corners refer to page 17.



nap trim

Aluminium or bronze nap trims (see page 53) available with or without carpet gripper, butt joint to the back edge of the stair edging to form a neat finish to the floorcovering. Ideal for use with Axminster or other woven backed carpets. The top is closed using a block of wood and a rubber mallet. Fixed with screws and adhesive.

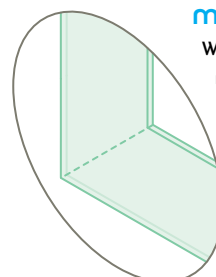
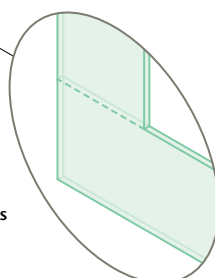
mitre joint

Welded corners with TC2 clips must be mitred. TAC42 should also be mitred.

type of jointing

butt joint

Two adjoining welded corners can be butt jointed for all corners with TC1 clips and fixed tabs.



note

To achieve an optimum finish the angle between each riser and tread should be the same. Remedial work may need to be undertaken prior to installation to achieve this.

3 designs to choose from

welded corner with fixed flange (page 50)

Welded corners are fabricated using a trimming strip of the correct gauge to suit the thickness of the floorcovering. Different types of trimming strip can be combined on the tread and riser to accommodate the combined thickness of the floorcovering and riser of the stair edging e.g. TA5B (tread)/TA5 (riser). Welded corners are fixed with a proprietary cartridge adhesive. Note: the use of a latex screed to disguise the fixing flange may be required when using vinyl or linoleum.

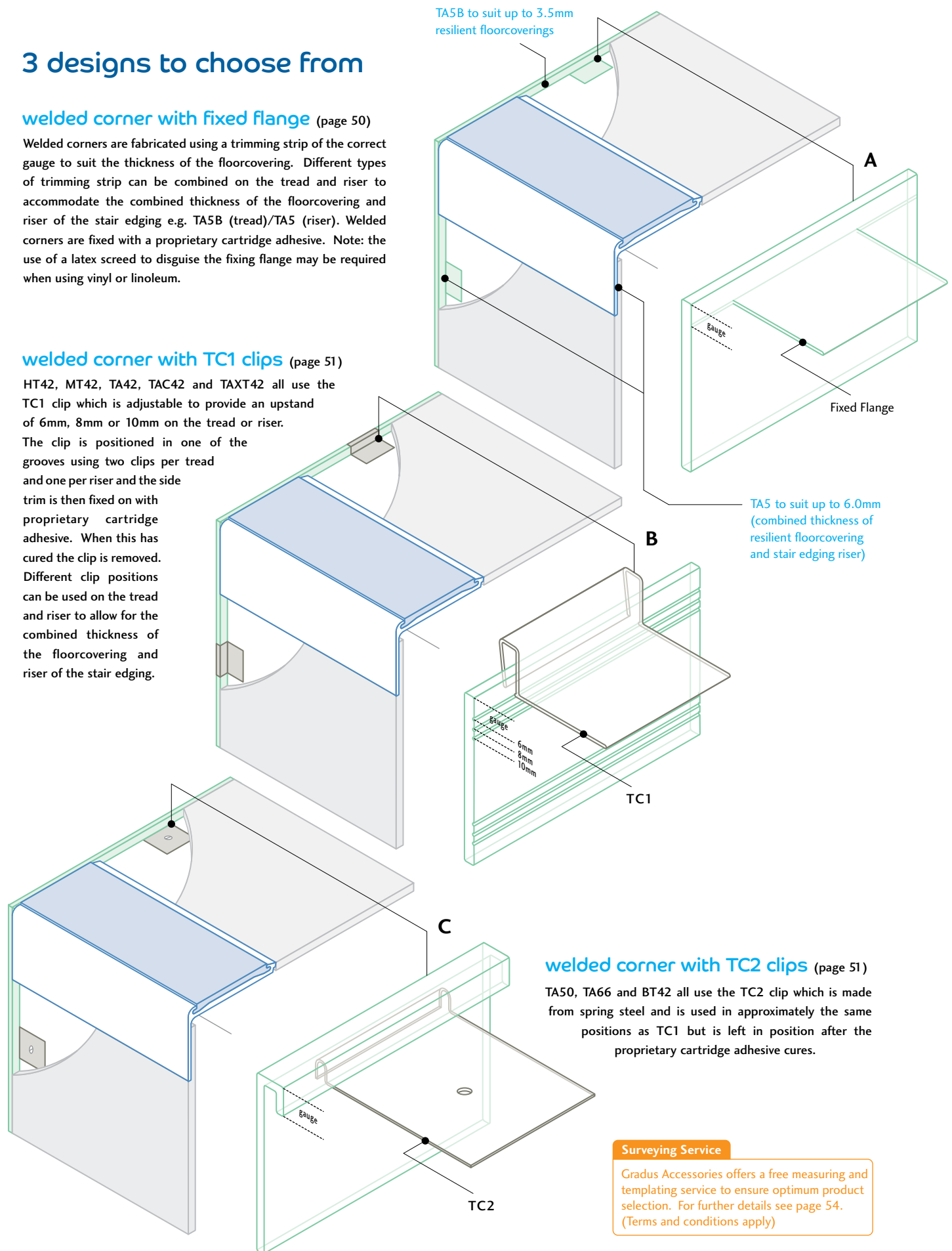
welded corner with TC1 clips (page 51)

HT42, MT42, TA42, TAC42 and TAXT42 all use the TC1 clip which is adjustable to provide an upstand of 6mm, 8mm or 10mm on the tread or riser.

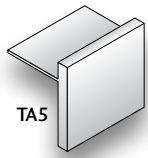
The clip is positioned in one of the grooves using two clips per tread and one per riser and the side trim is then fixed on with proprietary cartridge adhesive. When this has cured the clip is removed. Different clip positions can be used on the tread and riser to allow for the combined thickness of the floorcovering and riser of the stair edging.

welded corner with TC2 clips (page 51)

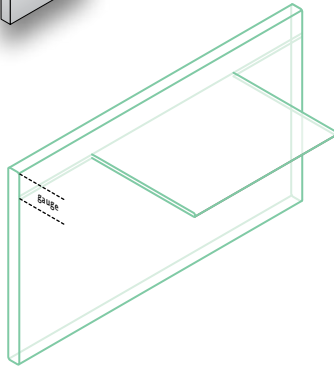
TA50, TA66 and BT42 all use the TC2 clip which is made from spring steel and is used in approximately the same positions as TC1 but is left in position after the proprietary cartridge adhesive cures.



Surveying Service
 Gradus Accessories offers a free measuring and templating service to ensure optimum product selection. For further details see page 54. (Terms and conditions apply)

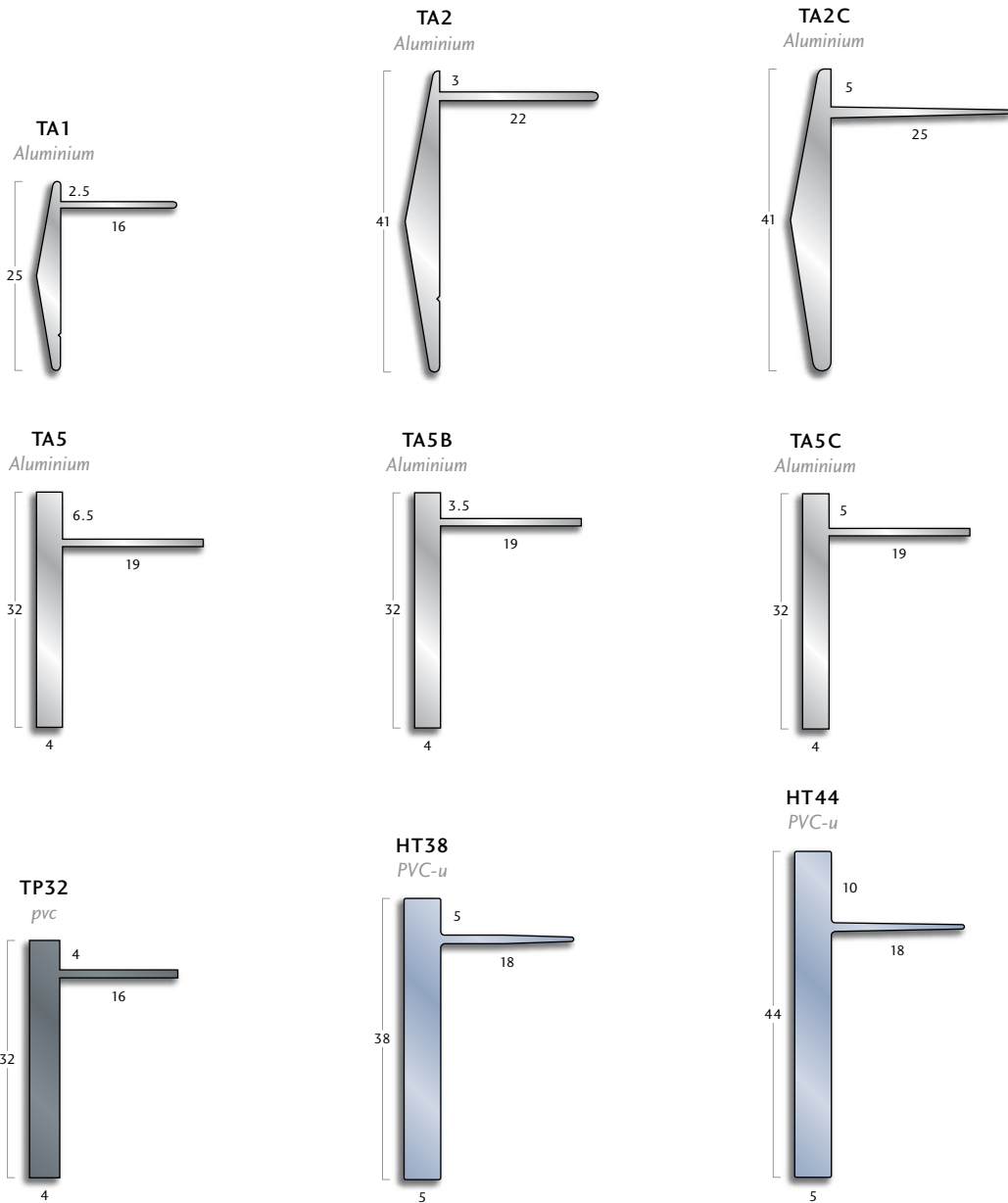


welded corners and trimming strips with fixed flange



Section	Gauge	Stock Lengths	78° - 90° LH or RH	83° & 90° Universal	Fixed Tabs	Site Join
HT38	5mm	2.75m	✓	✓	✓	butt
HT44	10mm	2.75m	✓	✓	✓	butt
TA1	2.5mm	2.75m			✓	
TA2	3mm	2.75m			✓	
TA2C	5mm	2.75m			✓	
TA5	6.5mm	2.75m	✓	✓	✓	butt
TA5B*	3.5mm	2.75m	✓	✓	✓	butt
TA5C	5mm	2.75m	✓		✓	butt
TP32	4mm	2.75m			✓	butt

*TA5B can be supplied as TAXT5B - a pre-formed welded corner with a 10mm radius to complement the curved edge design of the XT stair edging profiles (see page 17).



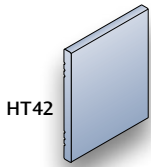
colour availability

Flexible pvc (TP): Black, Brown, Dove, Granite, Snowdrift.

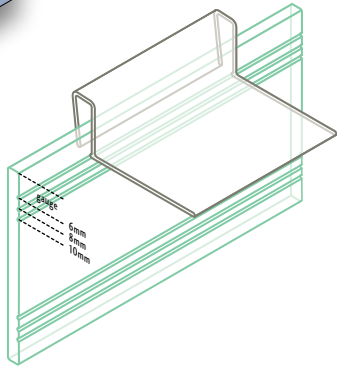
PVC-u (HT): Alpine, Black, Bluebell, Brown, Burgundy, Buttercup, Canvas, Dove, Evergreen, Glacier, Granite, Ink, Lavender, Linen, Midnight, Nutmeg, Sage, Snowdrift, Storm, Veranda.

Metallic PVC-u (MT): Burnt Almond, Doubloon, Silver, Zinc.

For a quick colour reference guide use the back cover foldout. For full details on Colour Availability see page 12.

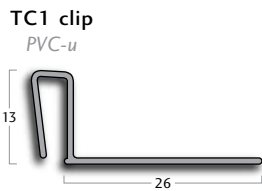


welded corners and trimming strips with TC1 clips

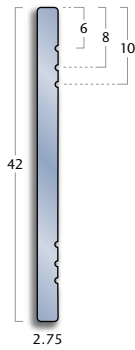


Section	Gauge	Stock Lengths	78° - 90° LH or RH	83° & 90° Universal	Fixing Clips	Site Join
HT42	6-8-10mm	2.75m	✓	✓	TC1	butt
MT42	6-8-10mm	2.75m	✓	✓	TC1	butt
TA42*	6-8-10mm	2.75m	✓	✓	TC1	butt
TAC42	6-8-10mm	2.00m	✓	✓	TC1	mitre

*TA42 can be supplied as TAXT42 - a pre-formed welded corner with a 10mm radius to complement the curved edge design of the XT stair edging profiles (see page 17).



HT42
PVC-u



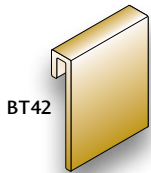
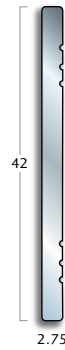
MT42
PVC-u Metallic



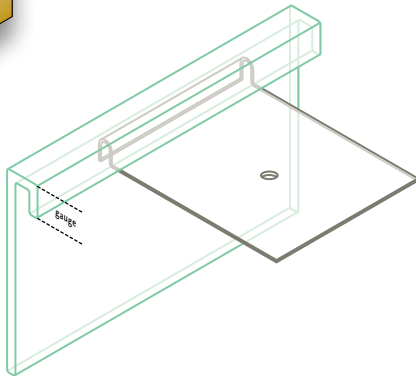
TA42
Aluminium



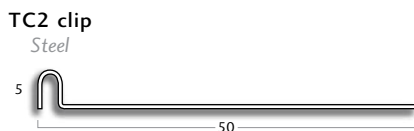
TAC42
Chrome Finish Aluminium



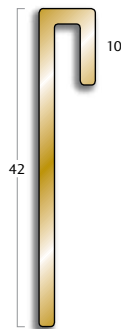
welded corners and trimming strips with TC2 clips



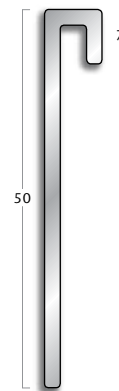
Section	Gauge	Stock Lengths	78° - 90° LH or RH	Fixing Clips	Site Join
BT42	10mm	2.75m	✓	TC2	mitre
TA50	7mm	2.75m	✓	TC2	mitre
TA66	7mm	2.75m	✓	TC2	mitre



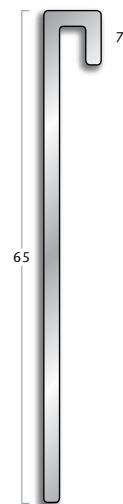
BT42
Bronze



TA50
Aluminium



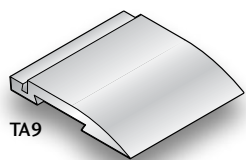
TA66
Aluminium



Profiles: Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

stair trims

edge trim



TA9

TA9 is an aluminium trimming strip used with G range stair edgings to form a safe ramp where resilient or no floorcovering is used.

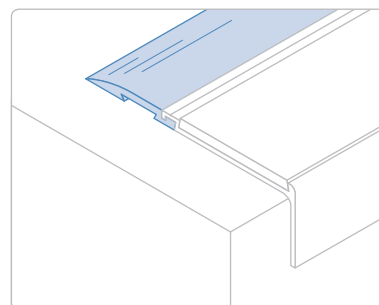
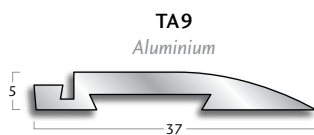


Diagram shows G11 with TA9 ramping strip providing a transition where no floorcovering is used.

TA6 is an aluminium trimming strip used to form a central run of resilient floorcovering on stairs and landings. Can also be used on the riser.

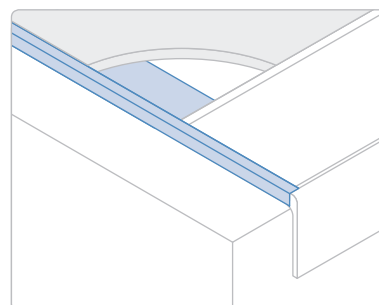
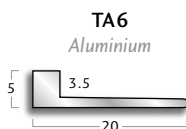
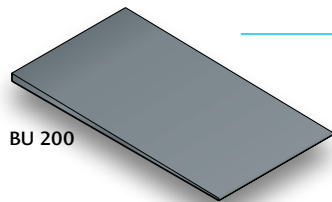


Diagram shows AS11 and TA6 trimming strip with a special on-site fabrication.

bevelled underlay



BU 200

Bevelled underlay is a flexible pvc material used as a diminishing strip and is ideal for building up resilient floorcoverings for use with 5mm stair edgings.

This is an ideal solution where a heavy-duty stair edging is required with a resilient floorcovering.

Grooves along the length of the underlay provide a straight cutting edge at points where the thickness gives ideal height adjustment.

Bevelled underlay is fitted with a proprietary contact adhesive and it is advisable to feather the tapered edge with a thin layer of latex cement.

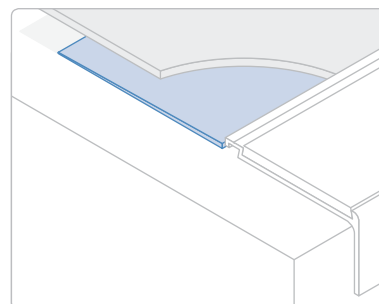
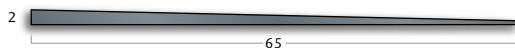


Diagram shows BU200 bevelled underlay being used to build up a 3.2mm linoleum to ensure a flush finish with the back edge of a G11 stair edging (5mm gauge).

BU 200
pvc



BU 800
pvc



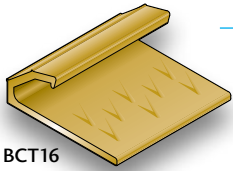
colour availability

BU: Black.

For a quick colour reference guide use the back cover foldout. For full details on Colour Availability see page 12.

Profiles: Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

nap trim



BCT16

Aluminium or bronze nap trims available with or without carpet gripper. Butt joint to the back edge of the stair edging to form a neat finish to the floorcovering. Ideal for use where an Axminster or other woven backed carpet is used. The top is closed using a block of wood and/or rubber mallet. Fixed with screws and adhesive.

BCT16
Bronze - available with or without carpet gripper

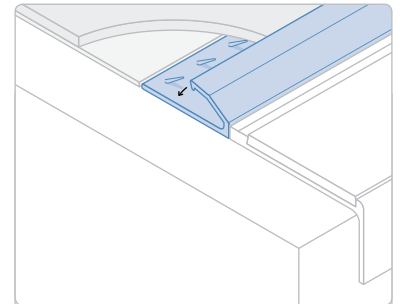
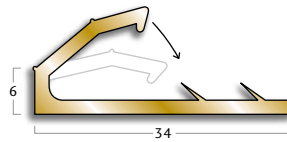


Diagram shows BCT16 butt jointed to the back edge of BG511 (5mm gauge - see page 39) stair edging to provide a neat edge to the carpet.

ANT355
Aluminium - available with or without carpet gripper

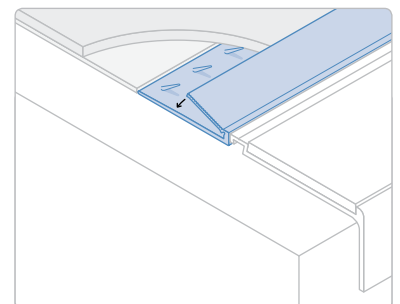
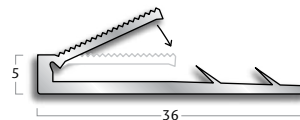


Diagram shows ANT355 butt jointed to the back edge of G11 (5mm gauge - see page 24) stair edging to provide a neat edge to the carpet.



Design Service
see page 171.

CG1042
Aluminium - available with or without carpet gripper

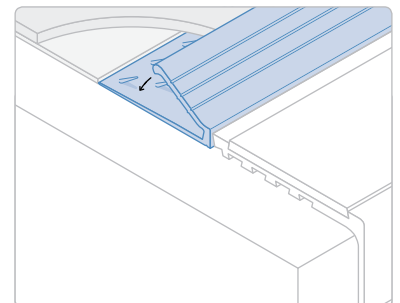
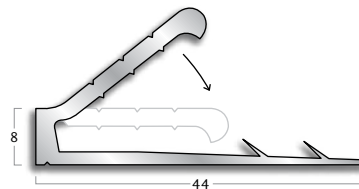
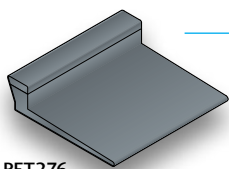


Diagram shows CG1042 butt jointed to the back edge of CT71 (gauge 7mm - see page 29) stair edging to provide a neat edge to the carpet.

square edge



PET276

A co-extruded PVC-u feature strip for use between carpets, resilient floorcoverings and ceramic tiles or to form an edge to a floorcovering (see diagram).

PET276
Co-extruded pvc top with PVC-u base

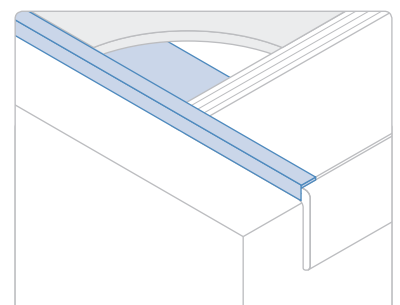
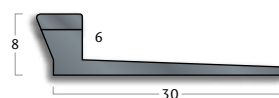


Diagram shows PET276 in conjunction with RN711 with a special on-site fabrication being used to protect the exposed edge of the carpet and form a 'carpet runner'.

colour availability

PET: Black, Brown, Dove, Granite.

For a quick colour reference guide use the back cover foldout.
For full details on Colour Availability see page 12.

measuring & templating

measuring & templating service for stair edgings & welded corners*

In order to ensure that the correct product is chosen to suit requirements (e.g. step profile, traffic conditions, floorcovering), Gradus offers a free on-site measuring and templating service, particularly useful when fabrications are required.

To help Gradus provide the best service, the following guidelines should be used.

1. Measures need an official order from a Gradus distributor or contractor. A contractor's order must nominate a distributor.
2. Measure requests can be faxed, sent to the office (address below) or directly to the relevant Area Manager:

Gradus Limited, Park Green, Macclesfield, Cheshire SK11 7LZ
Tel: 01625 428922
Fax: 01625 433949
3. If more than one staircase is to be measured a location map should be provided or Gradus cannot accept liability for stair edgings missed from the measure details.
4. Wasted journeys will be charged at a minimum of £100. All measure details should be confirmed, including stair readiness and accessibility, prior to the site visit. A further visit will be delayed until the fee has been paid.
5. The measure details will be forwarded to the distributor.
6. Lead times of fabricated items should be checked at time of placing order.
7. Gradus will accept no responsibility if templates or measurements have to be taken over existing floorcoverings or stair edgings, or if stairs have been altered after measurements have been taken.
8. Claims for ill-fitting curves cannot be accepted if the curve has been cut. All curves are supplied oversize for trimming on site. The same applies to stair edgings where welded corners are being fitted. Templates are retained for 12 weeks after despatch of the fabrication. They are then destroyed and no claims can be accepted after this period.
9. Gradus conditions of sale also apply to any measure request.
10. Notification should be given in advance if any security passes are required to gain site access.

* UK mainland only.

fabrications

Special shapes and curves can be manufactured for most stair edgings, stairtile and stair rods. Orders for curving and some fabrications should include a detailed template.

measuring & templating

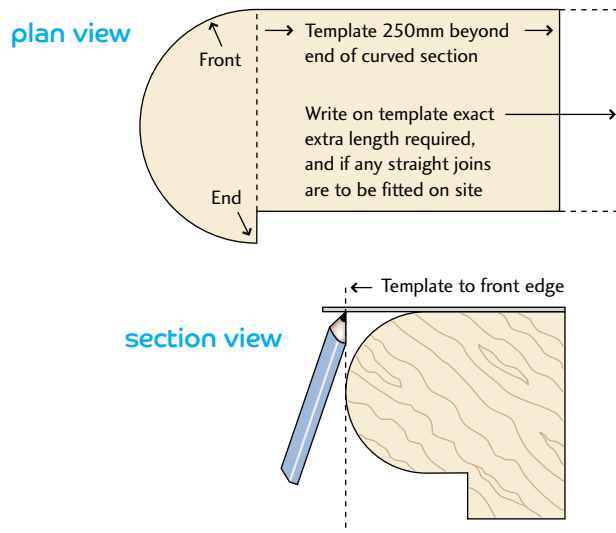
Templates are normally taken using hardboard or good quality paper felts.

Information required on templates:

1. Customer name, address and order number.
2. Type of stair edging and number required.
3. Colour of insert and Hardnose channel if applicable.
4. Drilled or undrilled (and any special requirements).
5. Top clearly marked.
6. Specific join locations (if required) clearly marked.
7. Front edge clearly marked.
8. End clearly marked, or alternatively, extra length required.
9. Thickness of riser material to be fitted with stair edging.

N.B. Curved stair edgings are supplied oversize to have both ends trimmed on site. This also applies where there are joints. When a template is taken that includes a straight length, include at least 250mm on the template to show the correct angle. Joints are often concealed below handrails. The maximum length per curved stair edging section is 2750mm, Stairtile is 2134mm and stair rods is 1830mm. When templating rake-back stair edgings, do confirm that the angle of the rake is constant. Note: claims cannot be accepted for poorly fitted curves after installation or trimming.

Curves are not available in AR7, CA71, CT52, ELA91150, ELA93150, ELA93240, ELA9240, ELB72740, ELR91150, ELR95150, GR91, G54, Allite profiles and nap trims. Curving of all XT and Elite profiles, ramp-back profiles and Stairtile is subject to approval of templates prior to manufacture.



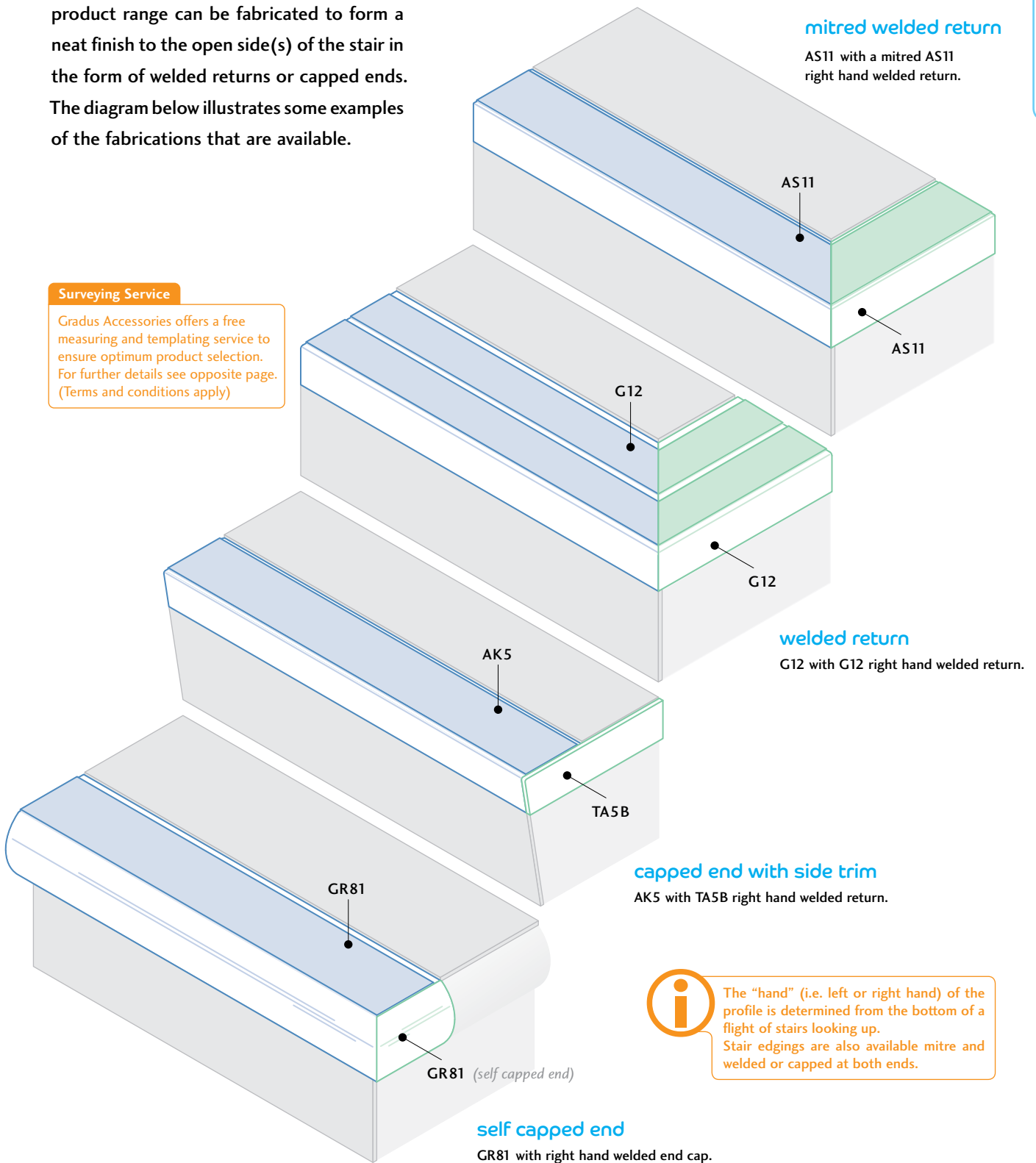
welded returns & capped ends

description

Most stair edgings featured in the Gradus product range can be fabricated to form a neat finish to the open side(s) of the stair in the form of welded returns or capped ends. The diagram below illustrates some examples of the fabrications that are available.

Surveying Service

Gradus Accessories offers a free measuring and templating service to ensure optimum product selection. For further details see opposite page. (Terms and conditions apply)



i The “hand” (i.e. left or right hand) of the profile is determined from the bottom of a flight of stairs looking up. Stair edgings are also available mitre and welded or capped at both ends.

selection guide

The table below can be used as a guide to assist with selection of the most appropriate stair edging for a particular application. **It is a guide only.** For a detailed product recommendation refer to page numbers indicated and/or contact Gradus Customer Support on 01625 428922. The compressed thickness of the floorcovering should always be considered to avoid a trip hazard and should be closely matched to the gauge of the stair edging profile. A bevelled underlay can be used to build up the compressed thickness of the floorcovering (see page 52).

Key: ▲ Single channel
● Double channel
■ Multiple channel
— with Bevelled Underlay
E with Exterior Insert

Stair Edging		Floorcoverings									No Floorcoverings						Page	
		Carpet, wood and ceramics. Compressed thickness: 8-10mm			Carpet and smooth flooring (eg. rubber). Compressed thickness: 5-8mm			Carpet (needlepunch, low loop) and resilient flooring (linoleum and vinyl). Compressed thickness: 2-4mm			Interior concrete, terrazzo and marble.			Exterior concrete and stone. Exterior insert must be used in stair edging.				
Range	Gauge in mm	Traffic (H = Heavy Traffic, M = Medium Traffic, L = Light Traffic)																
		H	M	L	H	M	L	H	M	L	H	M	L	H	M	L		
* Aluminium	XT	XT 2mm							●	▲	▲							15
		XT 5mm				●	▲	▲	●	▲	▲							16
		XT Ramp Back					▲	▲		▲	▲		▲	▲				15
	Traditional	A + ADM + S 2-3.5mm								●	▲	▲						19-22
		A Ramp Back					▲	▲		▲	▲		▲	▲		▲ E	▲ E	19
		G H ADM PG 4.5-5mm				●	▲	▲	●	▲	▲							23-27
		CT 7-9mm	●	▲	▲	●	▲	▲										28-29
	Elite	ELA 3-4mm							●	▲	▲							30-32
		6mm				●	▲	▲										32-33
		7-10mm	●	▲	▲	●	▲	▲										33
EAR Ramp Back								▲	▲		▲	▲				31		
Allite	ALL 5mm										■	■	■	■	■	■	78	
	7mm										■	■	■	■	■	■	79	
	TE 8-9mm										■	▲		■	▲		77	
	ALL+TE Ramp Back										■	■	■	■	■	■	77-79	
Bronze	BA 2-2.5mm								●	▲	▲						38	
	BG 5-6mm				●	▲	▲	●	▲	▲							39	
	ELB 4mm				●	▲	▲	●	▲	▲							37	
	6mm				●	▲	▲										37	
	Ramp Back					▲	▲		▲	▲		▲	▲		▲ E	▲ E	39	
PVC-u Hardnose (2 finishes)	Satin	RN3 3mm								▲	▲						42	
		RN5 + DDA 4-5mm					●	▲	▲	●	▲	▲					41-42	
		RN7 + DDA 6-7mm					●	▲	▲									41-42
	RNRC Ramp Back					▲	▲		▲	▲		▲	▲				41	
	ELR	4mm								●	▲	▲						44-45
		6mm		●	▲	▲	●	▲	▲									45
	Metallic	ELM 4mm								●	▲	▲						43
6mm						●	▲	▲									43	
PVC	Flexible pvc 2.5-3mm									▲							47	

* All Traditional and Elite aluminium (excluding XT and Allite) stair edgings are available in a chrome finish and are suitable for medium and light traffic areas.

materials

All materials used in Gradus products are of the highest quality and have undergone extensive testing to ensure they are fit for the purpose they are intended. Below can be found the most common materials that make up Gradus Accessories products, as well as details of those material properties. For specific technical information on individual products, consult the information pages for the respective product ranges.

		Channel Material				Insert Material		
		Aluminium	Bronze	PVC-u	Pvc	xtra-grip - new	Interior	Exterior
Composition	Composition	Alloy to BS EN 573-3	Manganese Bronze Alloy to BS EN 12167	Unplasticised Polyvinylchloride (Rigid pvc)	Polyvinylchloride (Flexible pvc) with Natural Mineral Fillers	Polyvinylchloride with Mineral Inclusion and pvc wear layer	Polyvinylchloride (Flexible pvc) with Natural Mineral Fillers	Rubber Composite with Aggregate Fillers
	Finish	Mill or Chrome Finish	Bright Polished	Satin or Metallic	Matt	Matt		
Appearance	Colour	Natural, colour coating available on request	Bright or can be allowed to oxidise to natural colour	Wide range of colours available. See page 12.		Wide range of colours available. See page 13.		
	Fixing	Screws and adhesive			Adhesive only	Traditional: Specialist Adhesives. Elite: Specialist Tape		
Usage	Maintenance	Clean with neutral detergent and green scotch pad	Polish with metal polish and duster	Clean with neutral detergent and green scotch pad	Clean regularly with neutral detergents	Clean regularly with neutral detergents, avoid any build-up of dirt/grease		
	Biological	Not affected by insects or vermin. Will not support organic plant growth.						
Resistance	Visual	Unaffected by sunlight		Colours may fade slightly after prolonged exposure to ultra-violet light				
	Wear	Extremely durable average life: 10-15 years		Hardwearing average life: 10 years	Light traffic	Extremely durable average life: 10-15 years	Hardwearing average life: 10 years	Extremely durable average life: 10-15 years
		All Gradus inserts achieve wear classifications* of: Group T - Class 34 - Commercial Very Heavy Group T - Class 43 - Light Industrial Heavy						
	Chemical	Will discolour with acid and corrode with mercury	Unaffected by most chemicals in everyday use	May discolour with strong detergents. Acetone and solvents will cause damage				
	Thermal	All products will expand and contract with variations in temperature. For installation of pvc products in very high/very low ambient temperatures or dramatically fluctuating temperatures, contact Gradus Technical Services for advice.						
	Frictional	Affected by water and reduced by contact with oil and grease. Xtra-Grip inserts are available for use in traditional channels for interior use in areas subject to wet conditions. Interior pvc inserts are not suitable for areas subject to wet conditions. Exterior inserts are available for use in traditional channels for exterior use.						
	Electrical	Conductive		Non-conductive			Non-conductive	

* Exterior and interior (standard, grained, elite) tested to BS EN 660-2:1999 and assessed against the requirements of BS EN 649:1997
Xtra-Grip tested to BS EN 13845:2005 - 50,000 cycles



2 section



lighting

Information on the range of safety and decorative LED lighting profiles for stairs, floors and walls. Details of lighting profiles, colours and effects can be found in this section.

	Page
step & aisle lighting effects	60 - 63
Interlok Advance and Continuity LED lighting systems, also incorporating Row Identification	
lighting effects	64 - 65
Demonstrates a variety of lighting effects which can be achieved with Gradus' wide range of stair edgings. Insert colour options	
stair edging profiles	66 - 67
Modular step lighting profiles and accessories	
aisle & floor trim profiles	68 - 69
Floor profiles for walkway illumination and cable management for use with step system	
eyeleds	70 - 71
Versatile range of slimline floor and wall mounted LED decorative lighting in circular or square profiles	

Gradus lighting design solutions

Gradus also offers a lighting design solutions service, employing a wide spectrum of lighting solutions to create effects tailored to individual applications. Contact Gradus Lighting for details.



step & aisle LED lighting systems

description

Gradus Lighting offers a range of safety and decorative lighting profiles for stairs, floors and walls that have been designed specifically to suit interior environments such as auditoria, where light is required for safety but should not detract from the primary function of the installation. By utilising LED technology, the system offers an extra low voltage alternative to mains voltage lighting. The step, aisle and wall systems are modular in design making them quick and easy to install.

Two lighting options are available with either the Interlok Advance LED system that produces a pinpoint lighting effect (below) or with Continuity LED system that produces a continuous lighting effect (adjacent photo). Both systems can be used with a range of floor trims (page 69) and stair edging profiles (pages 66-67) to produce a choice of lighting effects (pages 64-65).



Pages 61-69 cover:

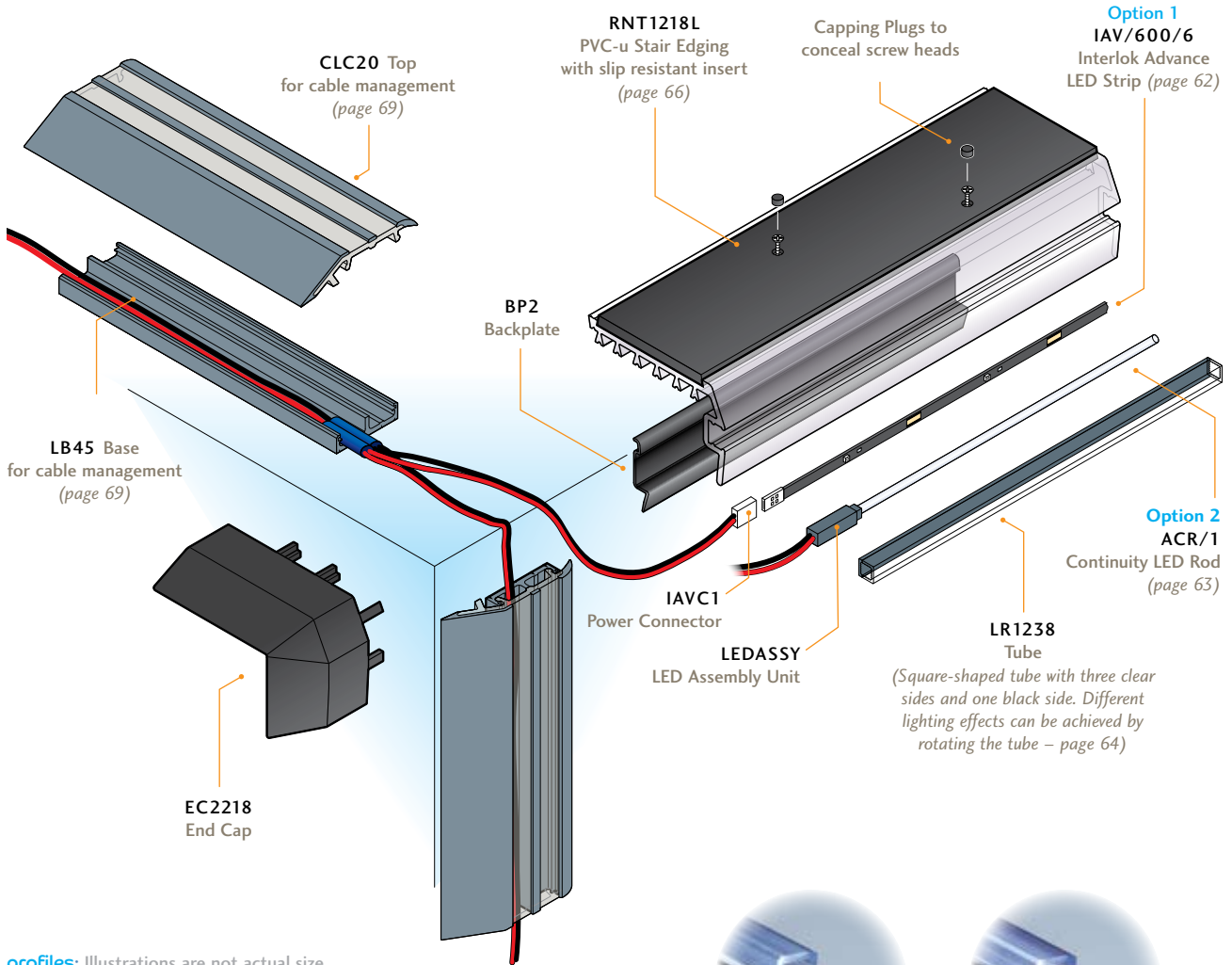
- Step system components
- Row identification
- Interlok Advance
- Continuity
- Lighting effects
- Profile, channel and insert options
- Stair edging profiles
- Aisle and floor trims for cable management and illumination



technical support

A dedicated **Gradus Lighting Technical Services** team can provide a take-off service for technical drawings in addition to advice on installation, cleaning and maintenance.

step system components

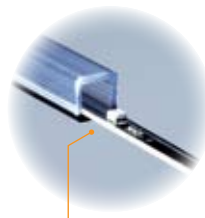


section 2

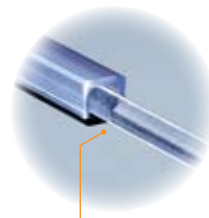
profiles: Illustrations are not actual size. Products subject to minor design alterations without notice.

safety

	AC	DC
Extra Low Voltage	< 50v	< 120v
Low Voltage	51-1000v	120-1500v



Option 1 IAV/600/6 Interlok Advance LED Strip inserted into LR1238 Tube



Option 2 ACR/1 Continuity LED Rod inserted into LR1238 Tube

row identification



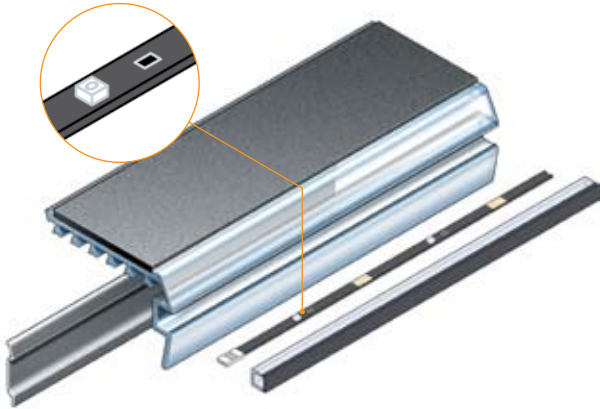
Row identification for seating rows is available and, using LED technology, can be tailored to produce designs in alphabetical or numerical formats (A, B, C... Д, Ф, Ж... 1, 2, 3...) or in graphic format for directional signage or wheelchair access points. The row identifiers can be installed in the surrounding floorcovering, on either the tread or the riser.

- Easy to install
- Alphabetical, numerical and graphical formats
- Safe, extra low voltage 12v
- Available in Amber, Green, Red, Yellow*, Blue and White
- Power consumption approximately 25mA per identifier

*Subject to minimum order quantity

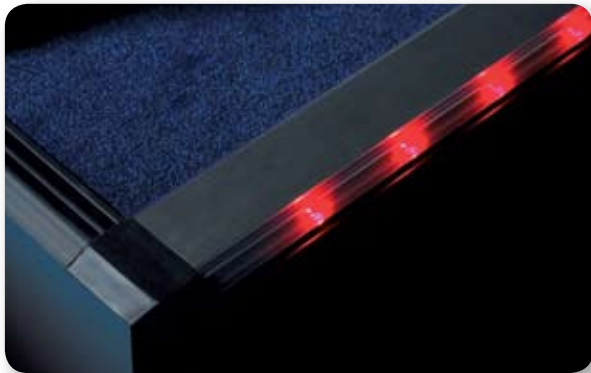
12v LED step system

interlok advance



Profile shown: RNT1218L Clear PVC-u

- Pinpoint light effect
- Printed circuit board strips that easily connect together, even around corners by using flexible connectors
- Strips may be cut to achieve desired length without causing any reduction in brightness in the remaining LEDs
- LEDs are surface mounted onto strips
- LEDs available in 6 colours – Amber, Green, Red, Yellow*, Blue and White (*subject to minimum order quantity)
- Power consumption of 0.3 watts per LED
- LED lifetime of up to 100,000 hours
- IAV/600/6 LED strip supplied in 600mm lengths
- Six LEDs per strip at 100mm spacing
- 24v option also available with 25mm or 50mm spacing
- Stopper (RW1) available to finish off tube where no end cap is used
- 1 connector lead (IAVC1) per step required
- Viewing angle of LED is 120°

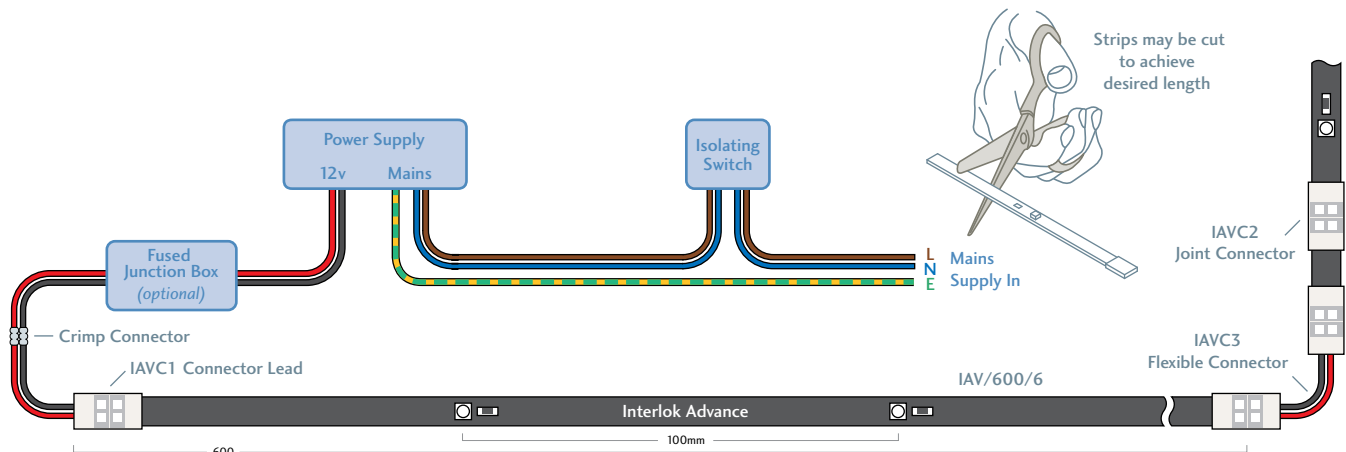


power supply units

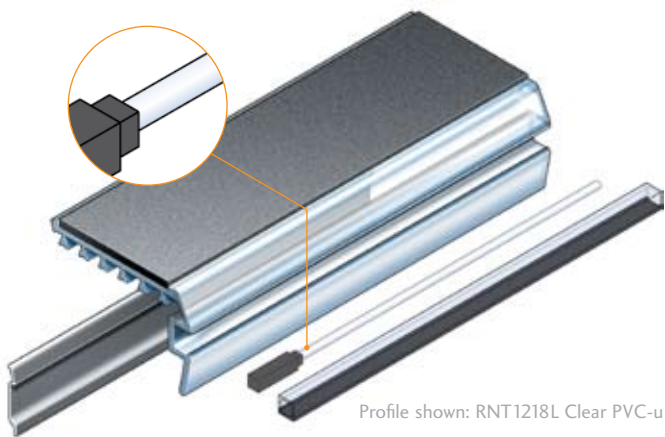
Gradus offers a range of direct current (D.C.) power supply units that are designed to transform power from the mains to a 12v or 24v system, thereby providing a safe and efficient power source to low level lighting systems. Gradus offers a wide range of power supply units including dimmable and battery backup units. Gradus Technical Services can provide a full calculation service to aid with quantity needed. Data sheets are available on request.

system components

A flexible modular system designed around printed circuit board strips that are easily connected together and are housed in the LR1238 tube. The strips can be cut to achieve the desired length without causing any reduction in brightness in the remaining LEDs.



continuity



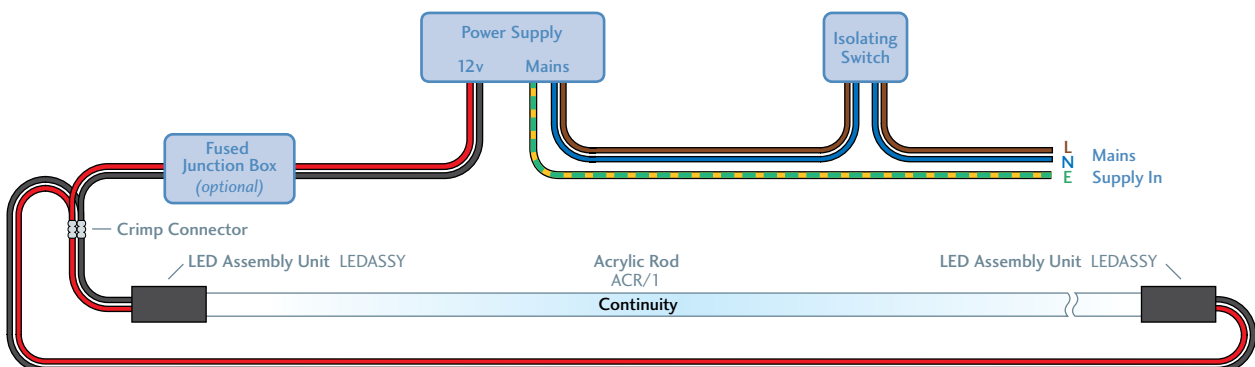
Profile shown: RNT1218L Clear PVC-u

- Continuous light effect
- LED housed in polycarbonate assembly unit (LEDASSY)
- LED end-illuminated acrylic rod incorporating reflective material which projects the light forward
- LEDs available in 5 colours – Amber, Green, Red, Blue and White
- Power consumption of 0.3 watts per LED
- LED lifetime of up to 100,000 hours
- Supplied in 2m lengths for cutting or finishing on site. For optimum performance, maximum recommended length 1.5m
- 2 LED assembly units (LEDASSY) required per rod
- Sealed LED system provides resistance to moisture ingress e.g. soft drink spillage
- Power Supply Units available (*see previous page*)



system components

Continuity LED lighting is designed to create a continuous light effect. Two LEDs are housed in polycarbonate assembly units (LEDASSY) fitted to each end of the Continuity acrylic rod (ACR1).





lighting effects

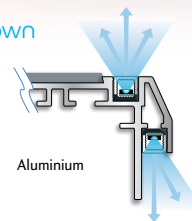
Gradus Lighting offers a range of aluminium and PVC-u stair edging profiles that have been designed to provide a wide choice of lighting effects. By the positioning of the Interlok Advance LED strips or Continuity rod and by rotating the LR1238 tube within the profile, a variety of different lighting effects can be achieved.

profile options

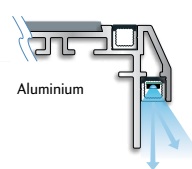
front

<p>Aluminium</p>	
<p>PVC-u</p>	
<p>PVC-u</p>	<p><i>Black side of LR1238 tube facing INWARD</i></p>
<p>Aluminium</p>	<p><i>Also available in black anodised finish</i></p>

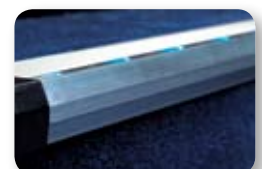
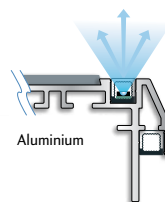
top & down



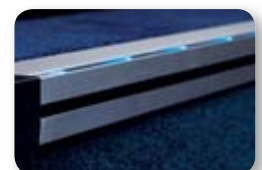
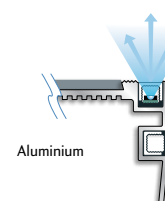
down



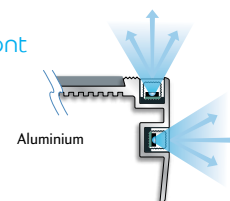
top



top



top & front



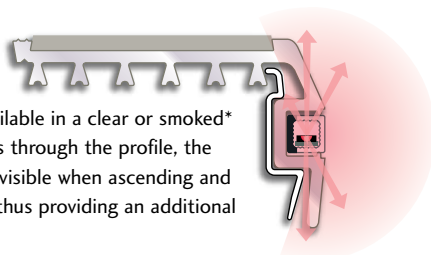
channel options

The PVC-u and aluminium stair edgings combine hardwearing channels with slip resistant inserts that provide durable housing for the LEDs whilst defining the edge of the step and protecting the floorcovering.

PVC-u

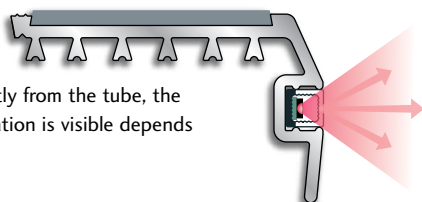
The PVC-u profiles are available in a clear or smoked* finish. As the light projects through the profile, the illuminated stair edging is visible when ascending and descending the staircase, thus providing an additional design feature.

* Subject to minimum order quantities.



aluminium

As the light projects directly from the tube, the angle at which the illumination is visible depends on the profile design.



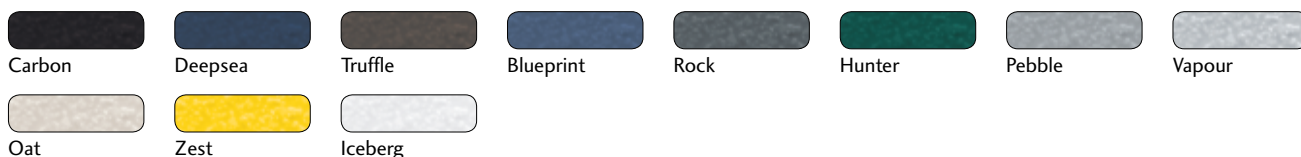
section 2

insert options

Gradus offers the best in terms of safety, performance and aesthetics with the widest choice of insert materials to suit varying applications and conditions. The insert material acts as a slip resistant surface by providing frictional resistance against various types of footwear sole material and therefore helps to reduce the risk of slip when ascending or descending a stairway. For further information on Gradus insert materials see pages 11 and 13.

xtra-grip insert - new

Xtra-Grip insert gives a low risk of slip in interior wet conditions (*available Spring 2008*). The range is available in a choice of colours and is designed for interior use where a risk of wet or contaminated conditions is likely e.g. drinks spillage in cinemas and theatres.



interior insert

Interior insert is made from PVC and is designed for use in interior conditions. The range is available in a choice of colours and in standard and grained finishes.

standard finish



grained finish



stair edgings – safety & performance



Long-term performance and safety is ensured through a secure bond between the insert and carrier material. All Gradus insert material undergoes a series of rigorous tests to ensure it will perform to expectation throughout its life (see page 11). For further information on Gradus Warranties, contact Gradus Technical Services.

stair edging profiles

extra-grip insert

(Available Spring 2008)

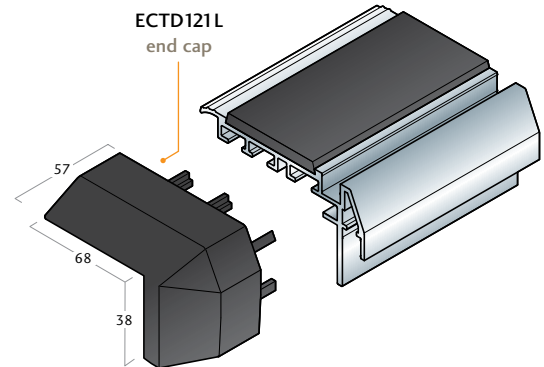
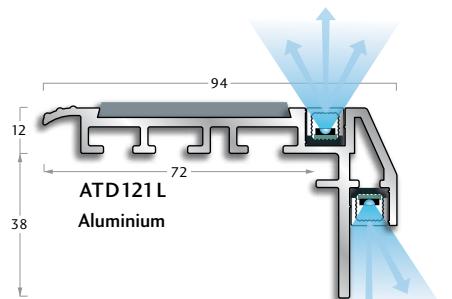
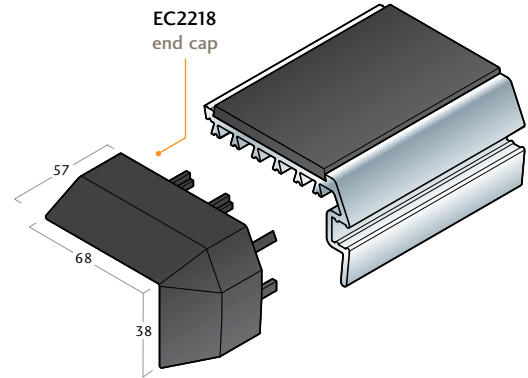
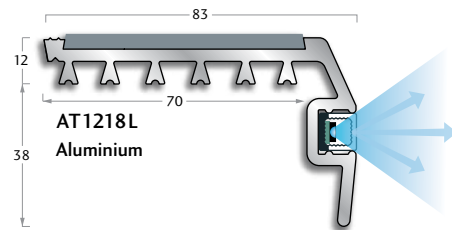
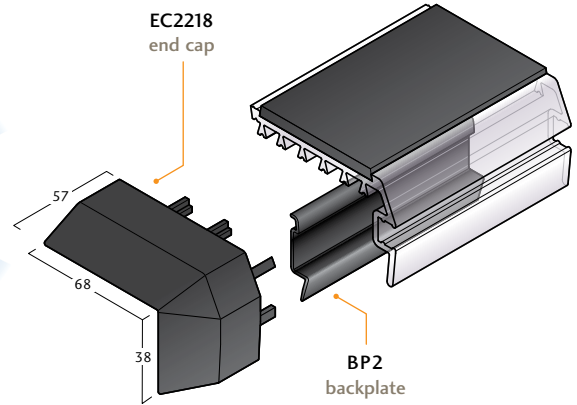
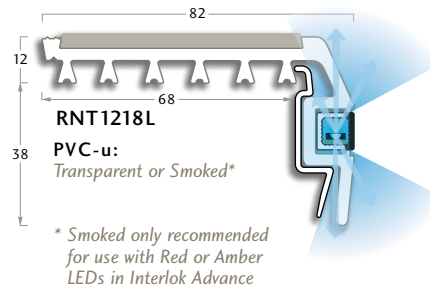
- | | |
|---------|-----------|
| | |
| Carbon | Deepsea |
| | |
| Truffle | Blueprint |
| | |
| Rock | Hunter |
| | |
| Pebble | Vapour |
| | |
| Oat | Zest |
| | |
| Iceberg | |

interior insert

Standard Finish

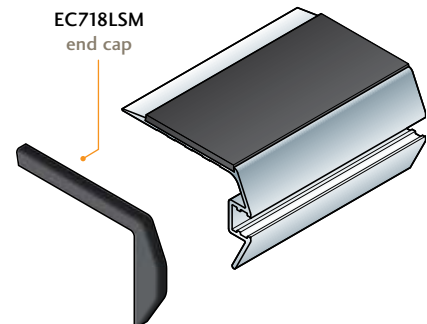
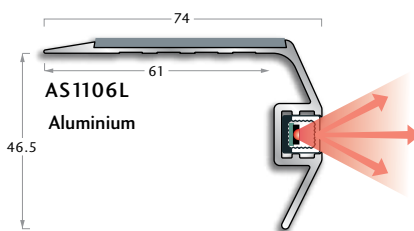
- | | |
|-----------------------|-----------|
| | |
| Jet | Ink |
| | |
| Coffee | Midnight |
| | |
| Burgundy | Evergreen |
| | |
| Ocean | Nutmeg |
| | |
| Poppy | Lead |
| | |
| Storm | Steel |
| | |
| Sage | Cloud |
| | |
| Alpine | Lavender |
| | |
| Linen | Veranda |
| | |
| Glacier | Canvas |
| | |
| Buttercup | Snowdrift |
| Grained Finish | |
| | |
| Black | Brown |
| | |
| Bluebell | Granite |
| | |
| Dove | |

standard profiles



Lighting can be used in one or two channels.
An empty tube is used where no lighting effect is needed.

ramp edge profile



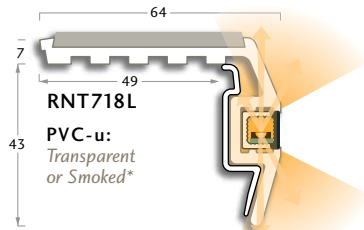
Aluminium
For use with resilient floorcovering or where no floorcovering is present.

Note: For full information on lighting effects, see page 64 to 65.

Profiles: Illustrations are 50% size in mm. Products subject to minor design alterations without notice.

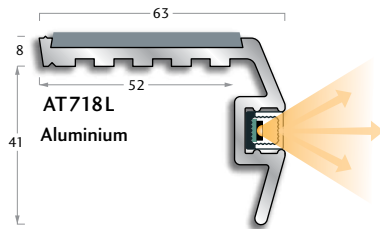
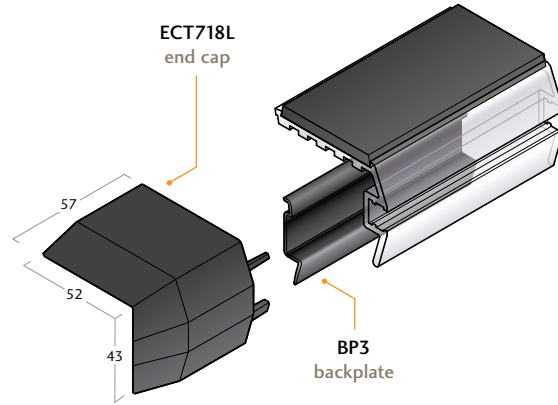
Note: For full information on insert availability see page 65.

slimline profiles

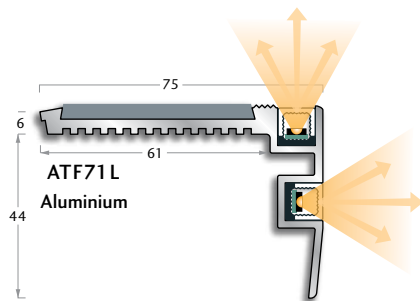
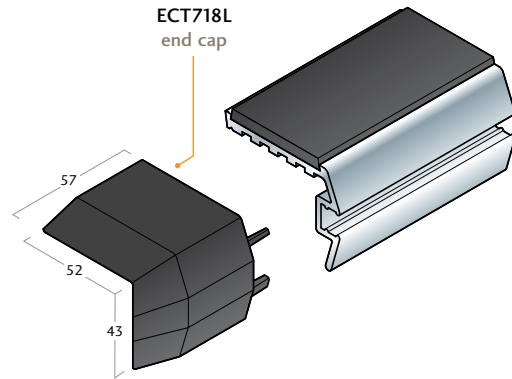


RNT718L
PVC-u:
Transparent
or Smoked*

* Smoked only recommended
for use with Red or Amber
LEDs in Interlok Advance

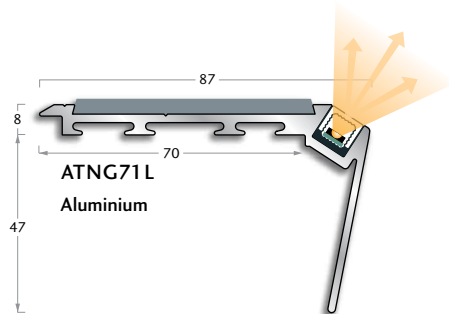
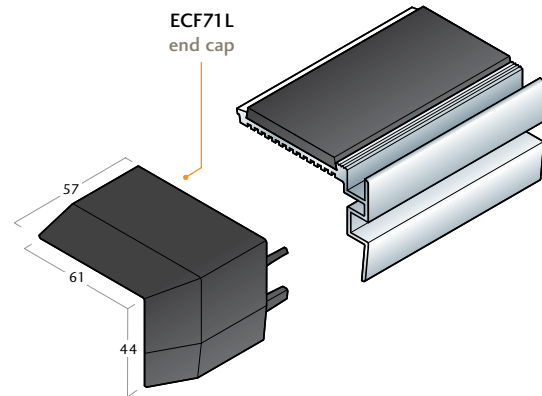


AT718L
Aluminium



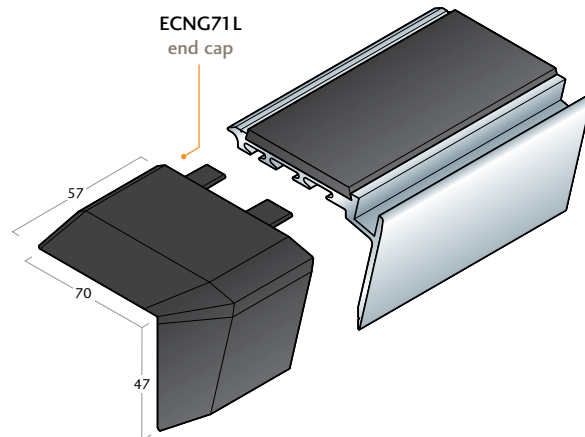
ATF71L
Aluminium

Lighting can be used in one or two channels.
A blank tube is used where no lighting effect is needed.



ATNG71L
Aluminium

Also available in black anodised finish.

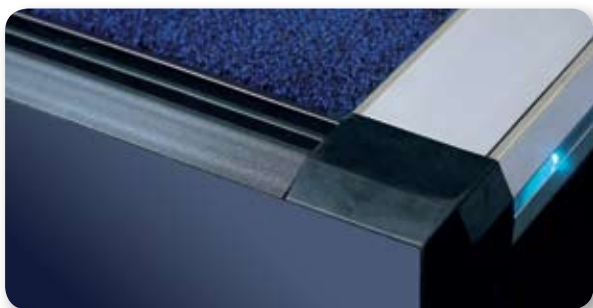


Profiles: Illustrations are 50% size in mm. Products subject to minor design alterations without notice.



aisle & floor trims

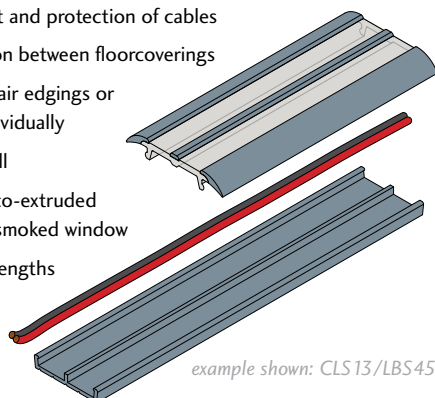
Gradus offers a comprehensive range of aluminium and PVC-u aisle and floor trims that are designed for use as either a cable management system or to illuminate floors, walkways, aisles and exit and entrance routes.



cable management system

The PVC-u range of floor trims can be used in conjunction with the illuminated stair edging profiles or installed individually and are designed to house the cables that supply power to the LED strips, keeping them safely and neatly concealed from view.

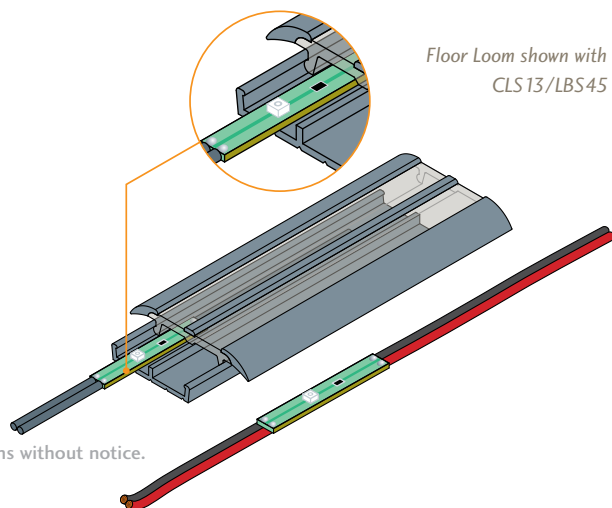
- Concealment and protection of cables
- Safe transition between floorcoverings
- Used with stair edgings or installed individually
- Easy to install
- Available in co-extruded PVC-u with smoked window
- 2.5m stock lengths



illuminated floor trims

Installed separately from the step system, both the aluminium and the PVC-u range of aisle and floor trims are designed for use with the flexible LED floor loom to highlight walkways, aisles, entrance and exit routes. The range offers a choice of profiles that are suitable for use where different floorcoverings meet, such as carpet to vinyl and vinyl to vinyl. This helps to protect the floorcovering edges and to provide a safe transition between levels. In addition, the use of the carpet to wall profiles help to prevent dirt and debris from collecting around the edge of the auditoria.

- Used with flexible LED floor loom
- LEDs available in Amber, Green, Red, Yellow, Blue and White
- LED modules at 300mm centres
- Extra low voltage – 12v
- Low power consumption: 0.9 watts per metre
- Safe and easy to install
- Highlights aisles and walkways
- Choice of heights for use with different floorcoverings
- Hardwearing to protect floorcovering edges
- LED floor loom available in 10m or 50m coils



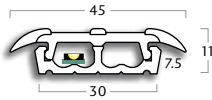
Profiles: Illustrations are not to size. Products subject to minor design alterations without notice.

aisle & floor trims

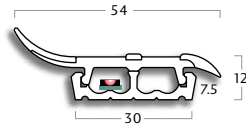
The PVC-u profiles are supplied in black with a translucent smoked window for LED lighting and are designed to provide added slip-resistance. Available in standard and slimline profiles to accommodate different floorcovering thicknesses and, when used for cable management, to co-ordinate with Gradus illuminated stair edgings.

PVC-u floor trims for cable management or illumination

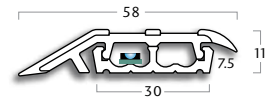
CLC13/LB45 Carpet to Carpet



CLC16/LB45 Carpet to Wall

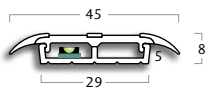


CLC20/LB45 Vinyl to Carpet

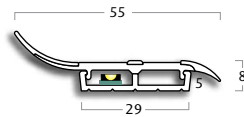


Standard profiles for use with RNT1218L, AT1218L and ATD121L stair edging systems.

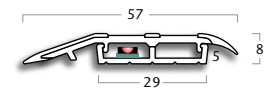
CLS13/LBS45 Carpet to Carpet



CLS16/LBS45 Carpet to Wall



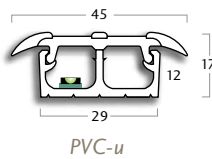
CLS20/LBS45 Vinyl to Carpet



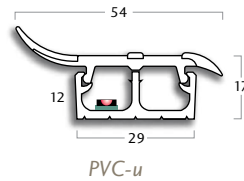
Slimline profiles for use with RNT718L, AT718L, ATF71L and ATNG71L stair edging systems.

PVC-u & aluminium floor trims for illumination only

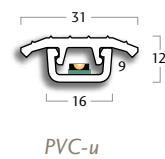
CLC13/LB20 Carpet to Carpet



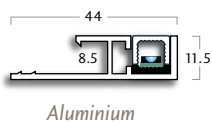
CLC16/LB20 Carpet to Wall



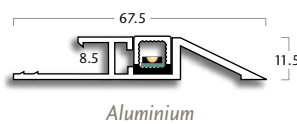
CL05/LB10 Carpet to Carpet



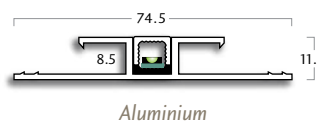
DLA15 Carpet to Wall



DLA25 Carpet to Vinyl



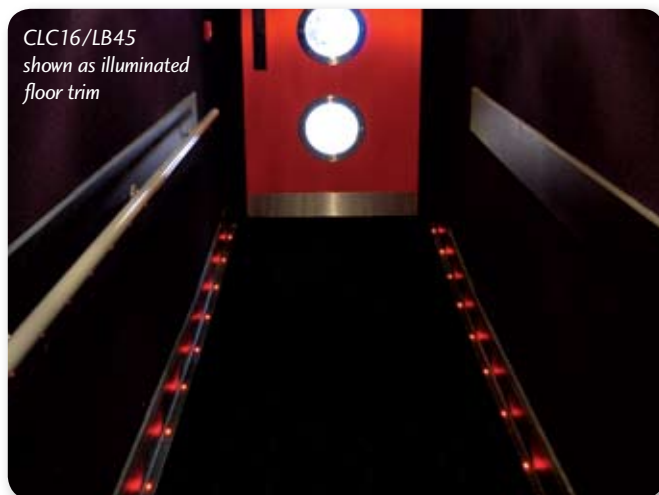
DLA35 Carpet to Carpet



DLA45



The aluminium profiles are shown with the LR1238 tube (ordered separately) to house the LED floor loom. Black anodising available for aluminium floor trims.



Profiles: Illustrations are 50% size in mm. Products subject to minor design alterations without notice.



eyeleds®



Eyeleds is a versatile range of floor and wall lighting profiles, designed to create decorative, mood or accent lighting as well as help to define walkways, aisles and boundaries. The low recess depth of 6.5mm enables the profiles to be installed in most types of floor and wall coverings such as carpet, laminate, parquet, wood, natural stone, marble, granite and plaster.

design

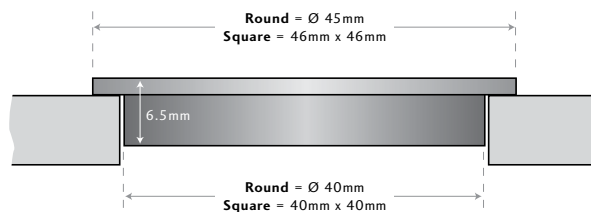
- Round or square options with round, guide or square centres (see opposite)
- Flat construction – 6.5mm
- LEDs available in White, Blue or Amber
- Brushed stainless steel or brushed brass finishes
- Up to 100,000 hours life expectancy
- Each Eyeled consists of a decoration ring, mounting bracket, clamp ring* and an LED light surface

* Clamp ring used with carpet and plaster only

safety

- 12v DC
- IP67 Dust proof and Water resistant
- Scratch, shock and UV resistant
- Designed to withstand a point-pressure up to 285kgs
- Extra low voltage and low temperature fixtures
- Low power consumption – (0.3w Round; 0.6w Square)
- Unique VDE approval
- It is recommended that Installation Fixtures, Isolation Boxes and Cable Ducts are used with every installation, to meet VDE approval

profile dimensions



flexibility

- Indoor and outdoor use
- Easy to install
- For use with floorcoverings thicker than 7mm
- Suitable for applications subject to both pedestrian and wheeled traffic
- Effective in temperatures from -30°C to +65°C
- Choice of two Power Supply Units (recess or plug model)
- Available in chains with 3, 5, 8 or 20 Eyeled units
- Multiple Eyeled chains can be linked with the use of a T-Splitter
- Individual LED units can easily be replaced
- Chain lengths of up to 50m are possible with the use of extension cables

applications

- Cinemas
- Bars, Clubs & Pubs
- Cruise Ships
- Hospitals
- Offices
- Hotels
- Retail Outlets
- Halls
- Stairways
- Gardens & Terraces
- Driveways
- Living Rooms, Bedrooms & Bathrooms
- Receptions

The Eyeled range is available with round, guide or square centres from which light is projected, providing both a safety feature and decorative finish to interior or exterior environments.

profiles

Profiles: Dimensions shown are nominal.
Products subject to minor design alterations without notice.

<p>LED White</p> <p>finish Brushed Stainless Steel</p>				46mm
	Ø 45mm	Ø 45mm	46mm	
<p>LED Blue</p> <p>finish Brushed Stainless Steel</p>				46mm
	Ø 45mm	Ø 45mm	46mm	
<p>LED Amber</p> <p>finish Brushed Stainless Steel</p>				46mm
	Ø 45mm	Ø 45mm	46mm	
<p>LED Amber</p> <p>finish Brushed Brass</p>		<div style="border: 1px solid orange; padding: 5px; display: inline-block;">  Eyeleds shown are available from stock. Different colour and finish options are available subject to minimum order quantities and lead times. </div>		46mm
	Ø 45mm			46mm

section 2

installation components

			
Cable duct	Clamp ring	Mounting bracket	Eyeled with connection cable
			
Isolation box for cable plugs	Installation box for fixture	Connection cable	T-Splitter

Components shown are for use with circular and square Eyeleds.



3 section



associated products for stairs & floors

Information on Gradus products that are typically associated with stairs and surrounding areas: slip resistant flooring and surface finishes, stair edgings for ceramics, heavy-duty stair edgings, tactile surface and stair rods.

	Page
stairtile slip resistant flooring	74 - 75
allite™ heavy-duty stair edgings	76 - 79
folostair™ stair edging for ceramics	80 - 81
tread alert® tactile surface	82 - 83
stair rods	84 - 85
slip resistant surface finishes	86 - 87



stairtile™ slip resistant flooring

description

Stairtile is a rubber composite material designed to provide a hard-wearing, slip resistant finish for stairs and floors. It can be installed in a wide range of applications such as shopping centres, car parks and other high usage circulation areas. It can be used as a complete stair covering or as an insert set into terrazzo, wood and concrete. Stairtile is suitable for use in both internal and external applications and is available in a choice of 4 colours.

When used on step edges, in order to ensure that the guidance in Building Regulations Part M is followed, Gradus recommends a minimum width (front to back) of 50mm to ensure a sufficient degree of colour contrast is achieved. Stairtile must be set as close to the leading edge of the step as possible. When Stairtile discs are used to define a step edge, they should have a minimum diameter of 50mm and be set as close together as possible.



profile availability

Available in a choice of 2 gauges

- 6.5mm sanded finish - typically supplied to ready-prepared floor finishes
- 8.0mm unsanded finish - typically supplied where further site finishing is required

Available in choice of designs

- OT/D, OT/RDG - typically cast into concrete or terrazzo during manufacture
- OT/F, OT/R and discs - typically rebated into concrete, marble and wood
- OT/R - can be rebated as a step edge and combined with panels of stairtile or other heavy duty floorcoverings of a similar gauge
- Available in any width from 12mm to 500mm. Discs are 25mm, 38mm and 50mm only

finishes / environment

Stairtile suitable for interior and exterior use

- To ensure slip resistant properties are maintained, any build up of contaminants such as grease must be managed using a thorough and regular cleaning regime - see page 165 for recommended cleaning method

installation

Installation guidelines can be found on page 164

- Rebated product fitted with epoxy adhesive and screws
- Can be supplied pre-drilled. Screw head cover plugs supplied
- Cast-in products require no mechanical fixing

services

- Technical Services
- Samples
- Special profile design
- Profiles can be fabricated

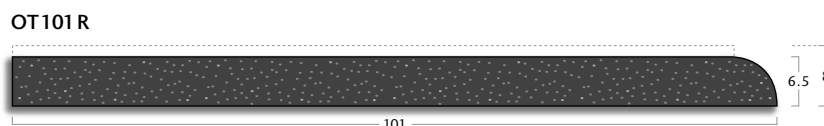
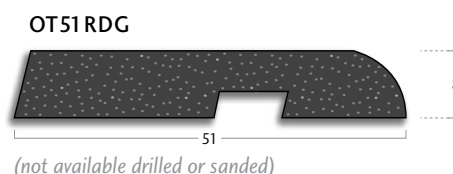
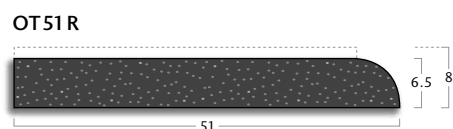
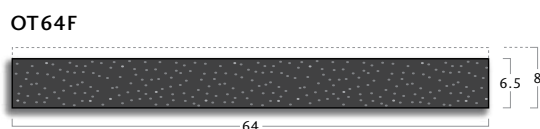
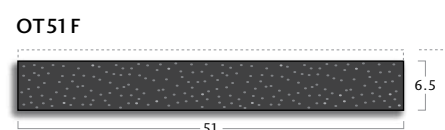
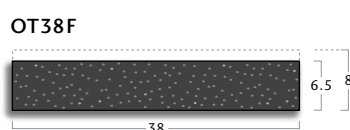
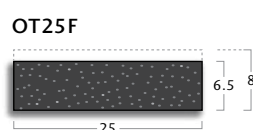
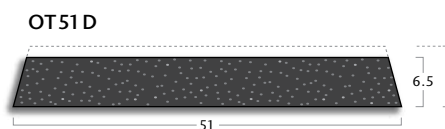
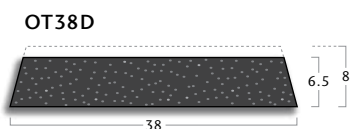
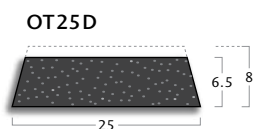
stairtile

Material	Rubber composite
Application	Typically used with concrete, terrazzo, wood, stone and marble OT/F profiles are rebated into existing steps OT/D and OT/RDG profiles are pre-cast into new steps OT/R profiles can be rebated as a step edge
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

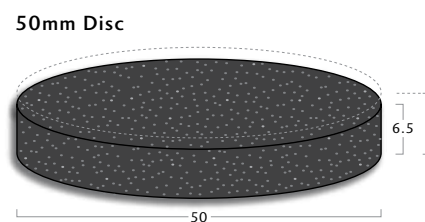
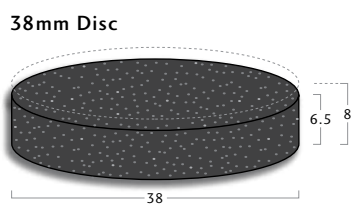
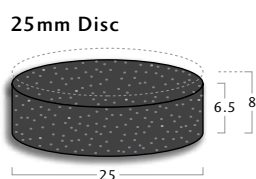
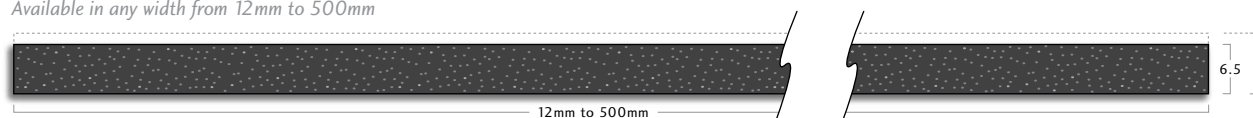


Potential for Slip
Dry Conditions Low (PTV Av. 73)
Wet Conditions Low (PTV Av. 45)

Independently tested by the Health & Safety Laboratory (see page 11 for further details).



OTD, OTF, OTR and OTRDG
Available in any width from 12mm to 500mm



colour availability

Black



Brown



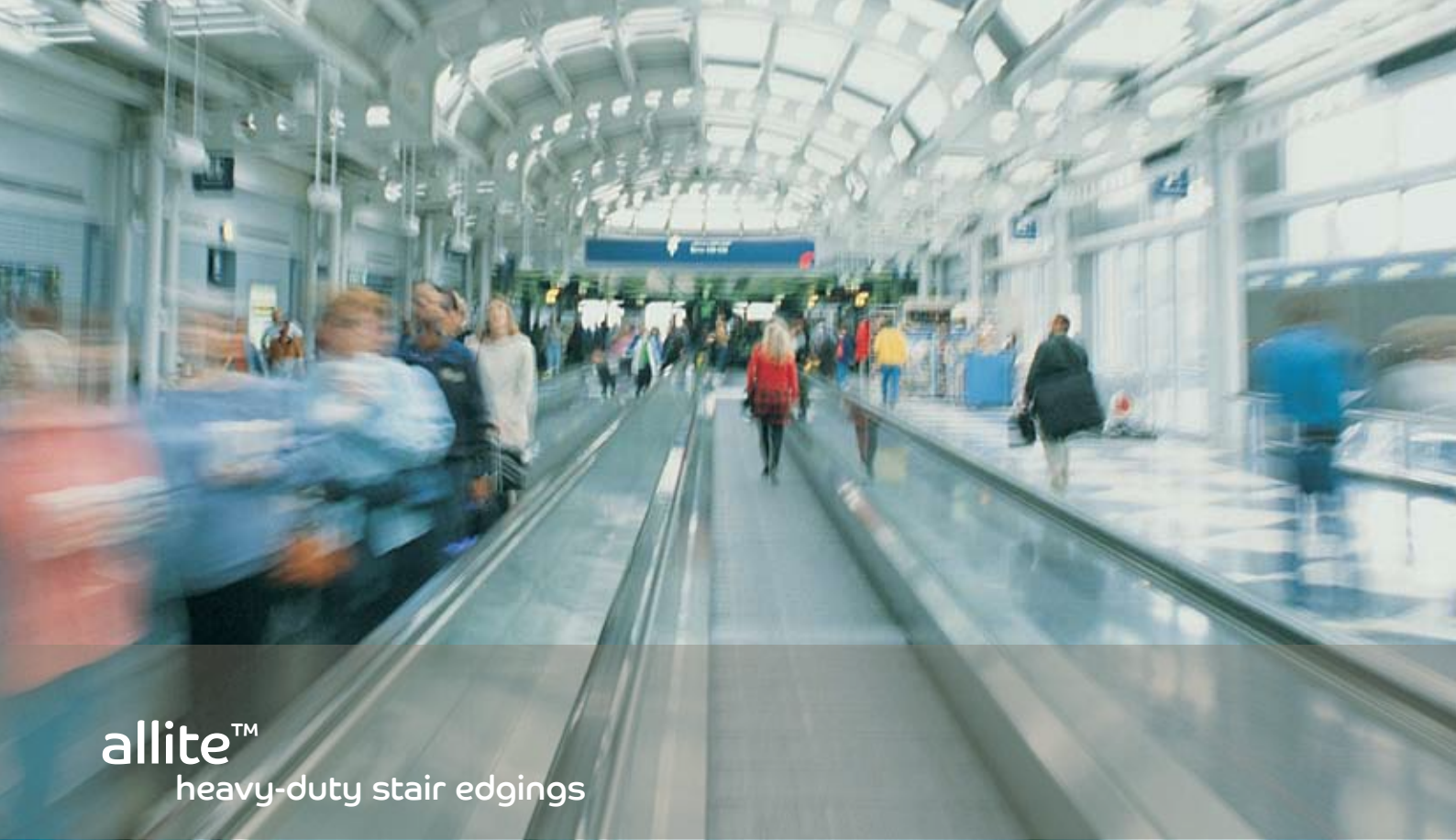
White



Yellow



For an accurate colour match, please request a physical product sample.



allite™ heavy-duty stair edgings

description

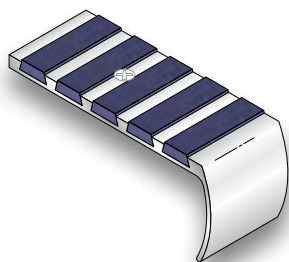
A range of heavy-duty aluminium stair edgings incorporating extremely durable slip resistant insert materials suitable for internal or external use. The ideal choice for specification in areas such as railway stations, car parks, airports and the petrochemical industry.

shape of step?

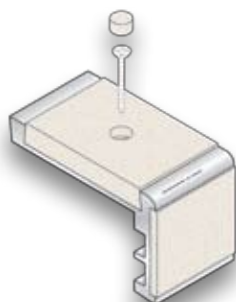


* Kinked Face can be used on square and some rake back steps.

which stair edging?



'ALL' Profiles
Pre-bonded inserts with visible fixings



'TE' Profiles
Pre-bonded inserts supplied with capping plugs to conceal screw heads after fixing

profile availability

Gauge of profiles suitable for fixing to existing stairs or casting-in to new stairs.

See page 56 for guidance on profile selection.

- Profiles designed for heavy commercial and industrial use
- Profile designs available to accommodate most stair shapes

finishes / environment

Aluminium channels and inserts suitable for interior and exterior use

- Mill finish aluminium channel
- **Important** - due to the width of TE4, TE5R, ALL294 and ALL295 the front insert(s) should always be in a contrasting colour to the remaining inserts to ensure definition of the step edge. The remaining inserts must always be of the same colour and should ideally match the surrounding floor finish
- Choice of insert for interior/exterior use:
 - 'TE' profiles - Stairtile and Exterior insert
 - 'ALL' profiles - Carborundum inserts

installation

Installation guidelines can be found on page 164

- 'TE' profiles: pre-bonded insert, can be supplied pre-drilled with screw head cover plugs
- 'ALL' profiles: Pre-bonded carborundum inserts supplied pre-drilled with visible fixings. Stainless steel screws should be used
- Supplied cut to length

services

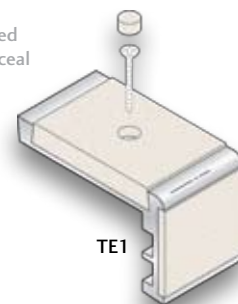
- **Technical Services**
- **Samples**
- **Design Service**
- **Measuring**
- **10 year warranty**

allite TE profiles

For guidance on the correct selection of stair edgings see pages 8 to 11.

Channel	Mill finish aluminium available in lengths up to 2.1 m
Insert	Exterior insert and Stairtile
Application	Ramp back profiles are surface mounted. Flat back profiles can be set into the substrate in-situ or can be butt jointed to an existing floor finish.
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

Pre-bonded inserts supplied with capping plugs to conceal screw heads after fixing

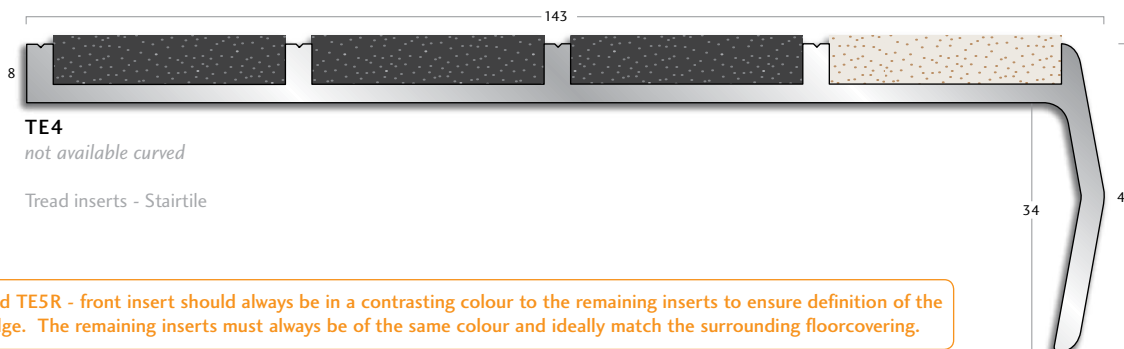
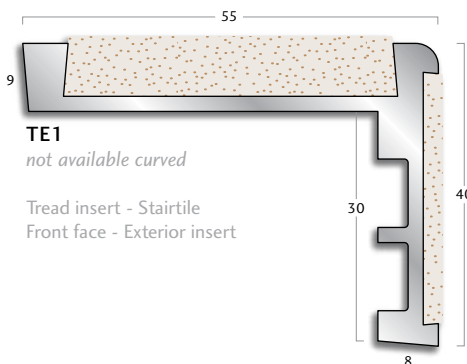


Potential for Slip - TE Profiles

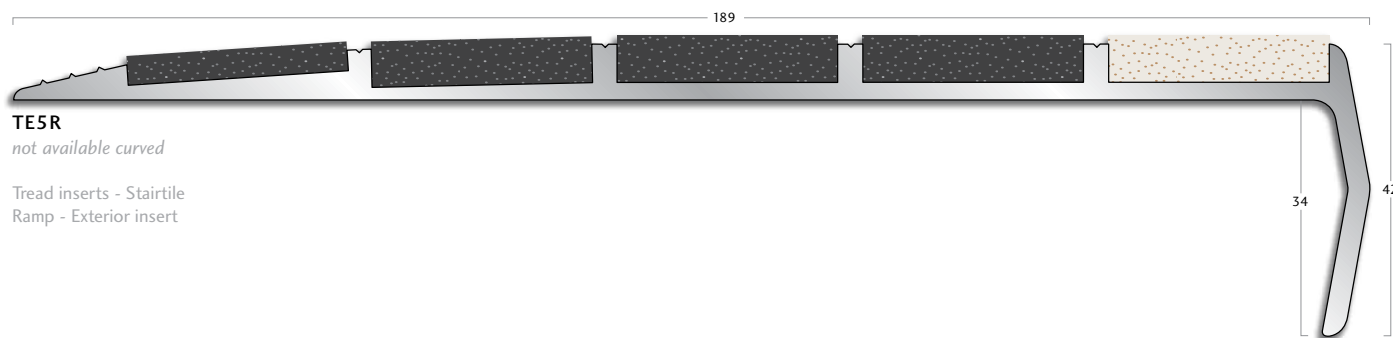
Dry Conditions Low (PTV Av. 73)

Wet Conditions Low (PTV Av. 45)

Independently tested by the Health & Safety Laboratory (see page 11 for further details).



! TE4 and TESR - front insert should always be in a contrasting colour to the remaining inserts to ensure definition of the step edge. The remaining inserts must always be of the same colour and ideally match the surrounding floorcovering.



colour availability

Stairtile:

Black



Yellow



White



Brown



Exterior Insert:

Nightsky



Sunrise



Nebula



Lignite

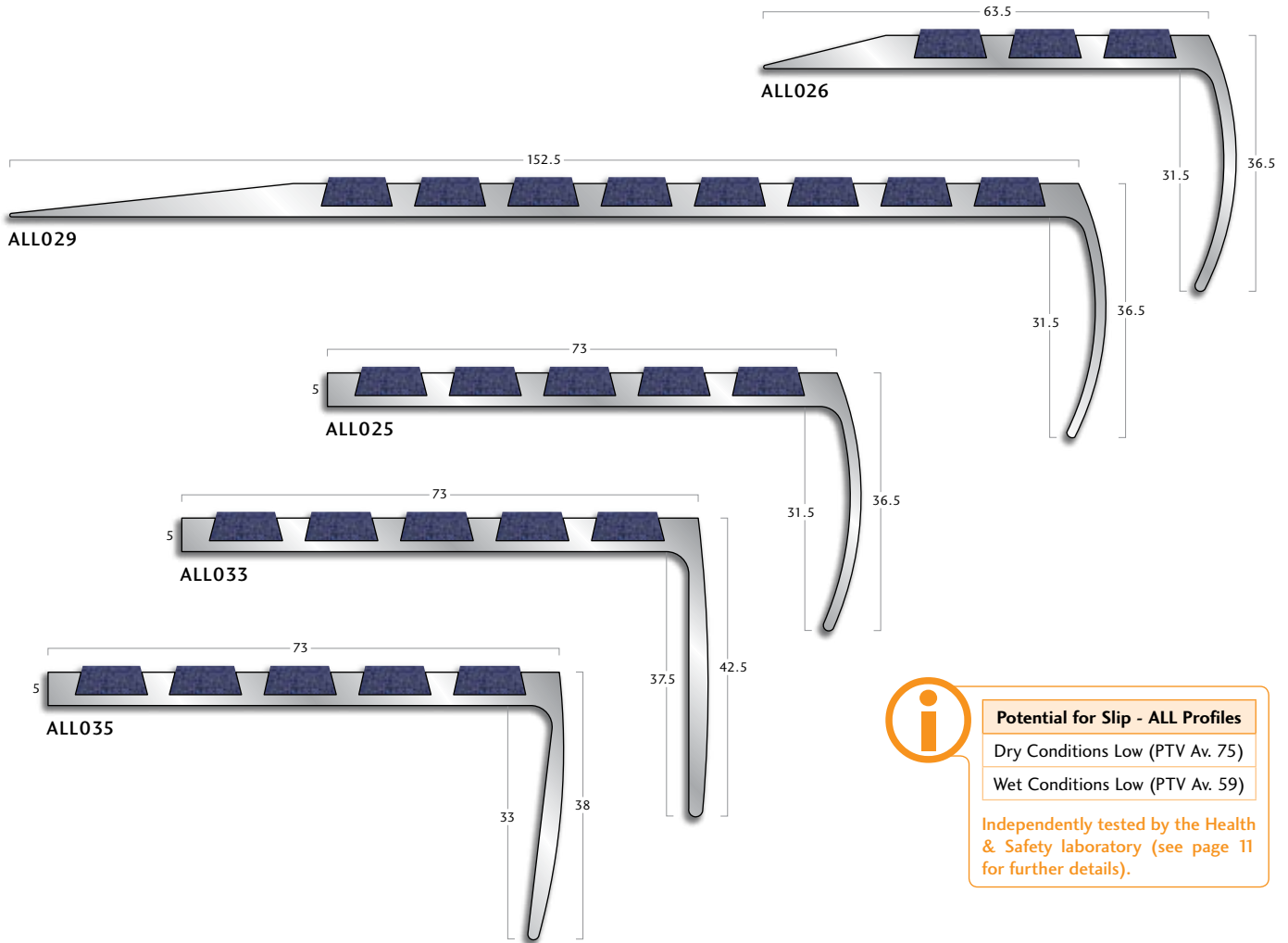
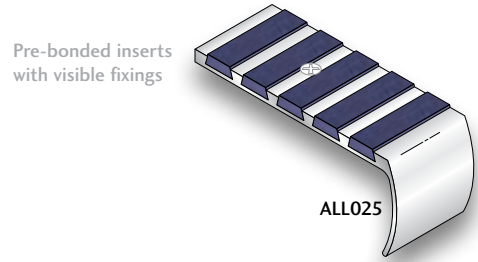


For an accurate colour match request a physical product sample.

alite profiles

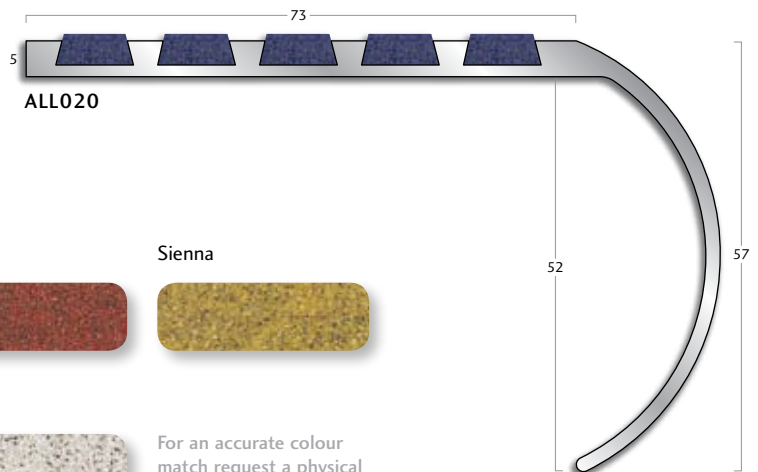
For guidance on the correct selection of stair edgings see pages 8 to 11.

Channel	Mill finish aluminium available in lengths up to 2.5m (ALL294, ALL295 and ALL11™ Mat available in lengths up to 2.0m)
Insert	Slip resistant carborundum inserts
Application	Ramp back profiles are surface mounted. Flat back profiles can be set into the substrate in-situ, can be butt jointed to an existing floor finish or can be surface mounted when used with extender ramp section. Extender sections can be used as complete tread covers.
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.



Potential for Slip - ALL Profiles
 Dry Conditions Low (PTV Av. 75)
 Wet Conditions Low (PTV Av. 59)

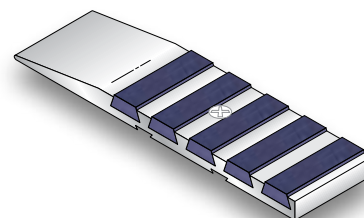
Independently tested by the Health & Safety laboratory (see page 11 for further details).



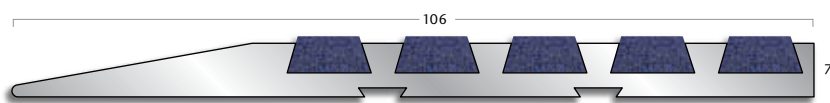
colour availability



Pre-bonded inserts with visible fixings



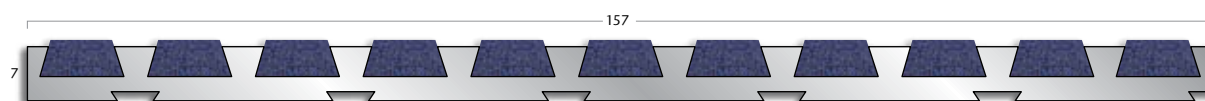
ALL298



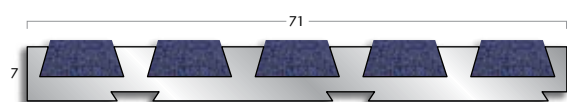
ALL298 extender ramp



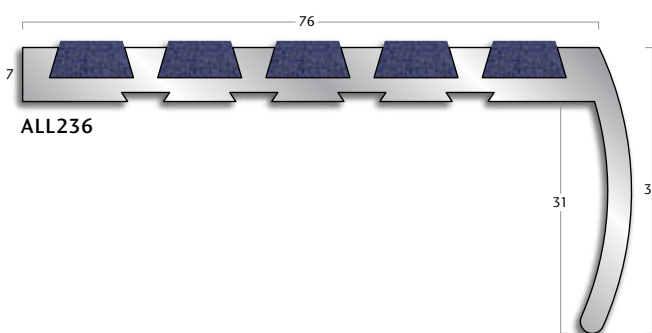
ALL 11" Mat extender section



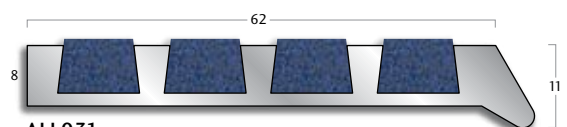
ALL297 extender section



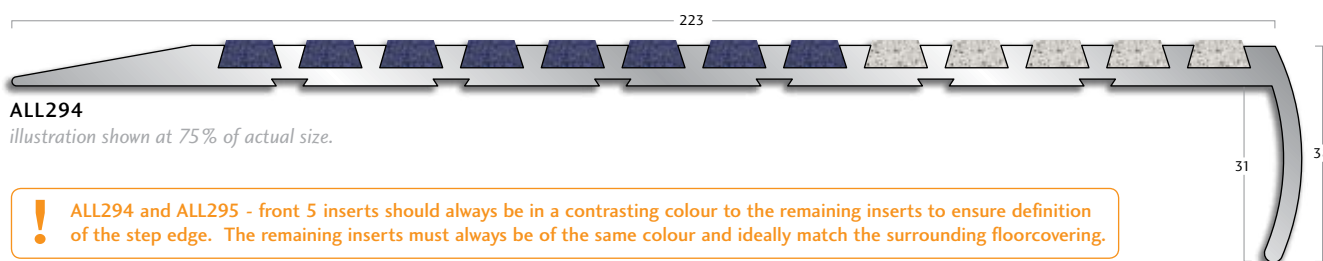
ALL299 extender section



ALL236

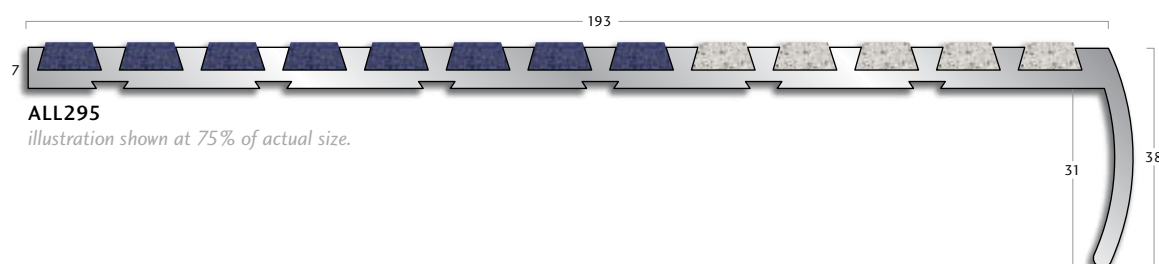


ALL031



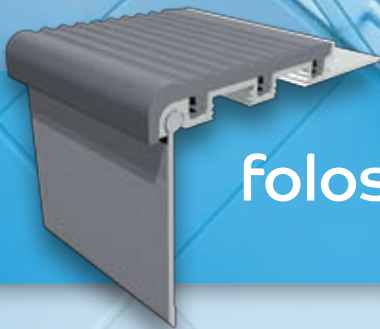
ALL294
illustration shown at 75% of actual size.

! ALL294 and ALL295 - front 5 inserts should always be in a contrasting colour to the remaining inserts to ensure definition of the step edge. The remaining inserts must always be of the same colour and ideally match the surrounding floorcovering.



ALL295
illustration shown at 75% of actual size.

section 3



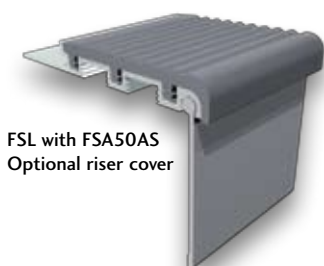
Folistair™ stair edging for ceramics

description

Folistair FS stair edgings have been specifically designed for use with ceramics to offer tile protection and step edge definition in interior contract applications. Folistair FS profiles comprise an aluminium base channel and a pvc slip-resistant insert, and are suitable for use in interior dry conditions

The correct finishing of ceramics on steps is crucial to ensure a safe, neat finish that not only protects the edge of the ceramics but that also offers step edge definition to highlight the edge of steps in line with guidelines in Approved Document M (ADM) of The Building Regulations 2000 and BS8300:2001.

The FSL profile has been designed with a tread dimension of 55mm that, when combined with the optional riser cover, FSA50AS, meets the guidelines in ADM.



FSL with FSA50AS
Optional riser cover

profile availability

Profile designs to accommodate ceramics, stone, marble and terrazzo

- Heights to suit floorcoverings from 8mm to 12.5mm in thickness
- Optional riser FSA50AS allows FSL profiles to fit most step shapes
- Supplied in 2.7m lengths
- End caps available in 4 colours for neat finishing

environment

Folistair FS stair edgings suitable for interior dry conditions

- Ideal for use in most commercial environments that utilise ceramics and other stone floorcoverings e.g. education, healthcare, retail, leisure, commercial office

finishes

- Inserts available in four colours for use in interior dry conditions – Cement Grey 23, Dark Beige 32, Black 51, Yellow 53
- Optional aluminium riser FSA50AS supplied in a Silver anodised finish

installation

Installation guidelines can be found on page 164.

- Aluminium base profiles are fixed at the same time as the surrounding floor finish using the appropriate adhesive for the floor finish. The insert is then fixed to the base using the locating components
- Inserts can be replaced on site in the event of wear or damage without disturbance to the surrounding floor finish

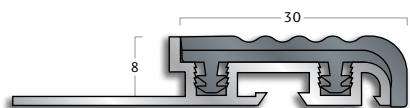
services

- **Technical Services**
- **Samples**

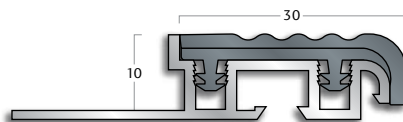
Folostair FS range

For guidance on the correct selection of stair edgings see pages 8 to 11.

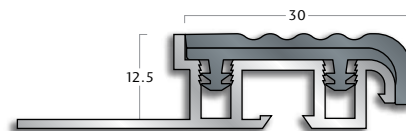
Channel	Aluminium base
Insert	PVC for interior use in dry conditions
Riser	Anodised aluminium - Silver finish
Gauge	For use with ceramics, stone, marble, terrazzo and other hard floorcoverings between 8mm and 12.5mm in thickness
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.



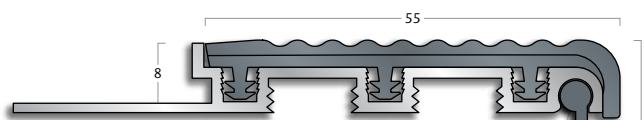
FSL80A
recommended end cap: FST80



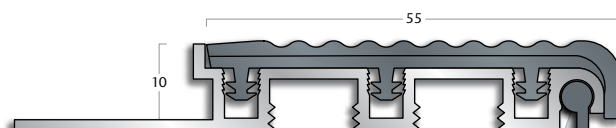
FSL100A
recommended end cap: FST100



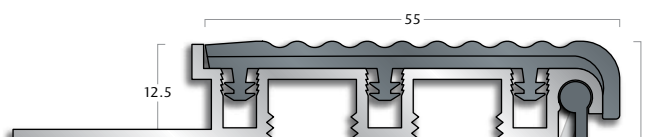
FSL125A
recommended end cap: FST125



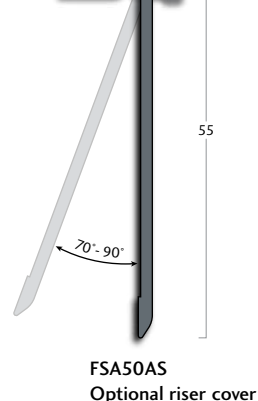
FSL80A shown with FSA50A
recommended end cap: FSLT80



FSL100A shown with FSA50AS
recommended end cap: FSLT100



FSL125A shown with FSA50AS
recommended end cap: FSLT125



Picture shown with FSLT end cap.

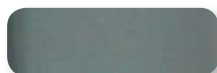
colour availability

Insert and end caps:

Black 51



Cement Grey 23



Yellow 53



Dark Beige 32



For an accurate colour match request a physical product sample.



tread alert® tactile surface

Dennis Gilbert/View.

description

Tread Alert is a rubber tile with raised ribs that acts as a tactile warning surface for the visually impaired to recognise a change in level. Tread Alert has been designed to meet the criteria for tactile surfaces as stipulated in the 'Guidance on the use of Tactile Paving Surfaces' published by the (then) DETR (1998). When used correctly Tread Alert helps to ensure the provision of an inclusive environment as recommended in BS8300:2001 (see page 169) and the Joint Committee on Mobility of Blind and Partially Sighted People.

Tread Alert should be used at the approach (top and bottom) to a flight of internal stairs and installed according to the 'Guidelines on the use of Tactile Paving Surfaces', see opposite (*Diagram 1*).



Border Tile edge detail.

tile availability

Tile size 500mm x 500mm. Gauge 8.5mm nominal.

Border Tile - used to provide a finishing edge

2.5mm thick with a 6mm raised rib at 50mm centres rounded towards one edge of the tile

Field Tile - butt jointed to form continuous run

2.5mm thick with a 6mm raised rib at 50mm centres across the full width of the tile

finishes / environment

Tread Alert suitable for interior dry conditions.

- Tread Alert tiles should contrast in colour with the surrounding floorcovering to ensure clear visibility (*see Diagrams 1 and 2 opposite*). Tread Alert is available in a choice of 8 colours
- Consideration must be given to the frictional characteristics of Tread Alert and the surrounding floorcovering. Dramatic changes in frictional resistance, such as when used in conjunction with carpet, require special consideration - see *Diagram 2 opposite*. For further details contact the Technical Services department
- Tread Alert **should not** be used in internal areas that may be subject to wetness

installation

Installation guidelines can be found on page 164.

- Tread Alert must be fitted in accordance with the drawing shown opposite (*Diagram 1*) to ensure compliance with BS8300 (2001)

services

- **Technical Services**
- **Samples**

Diagram 1

Tread Alert tactile surface incorporated into the landing at the top and bottom of the stairs to extend 400mm at each side of the stairs and set 400mm from the leading edge of the stair edging. Tread Alert tactile surface should be a minimum depth of 800mm. Tread Alert should contrast in colour with the surrounding floor finish.

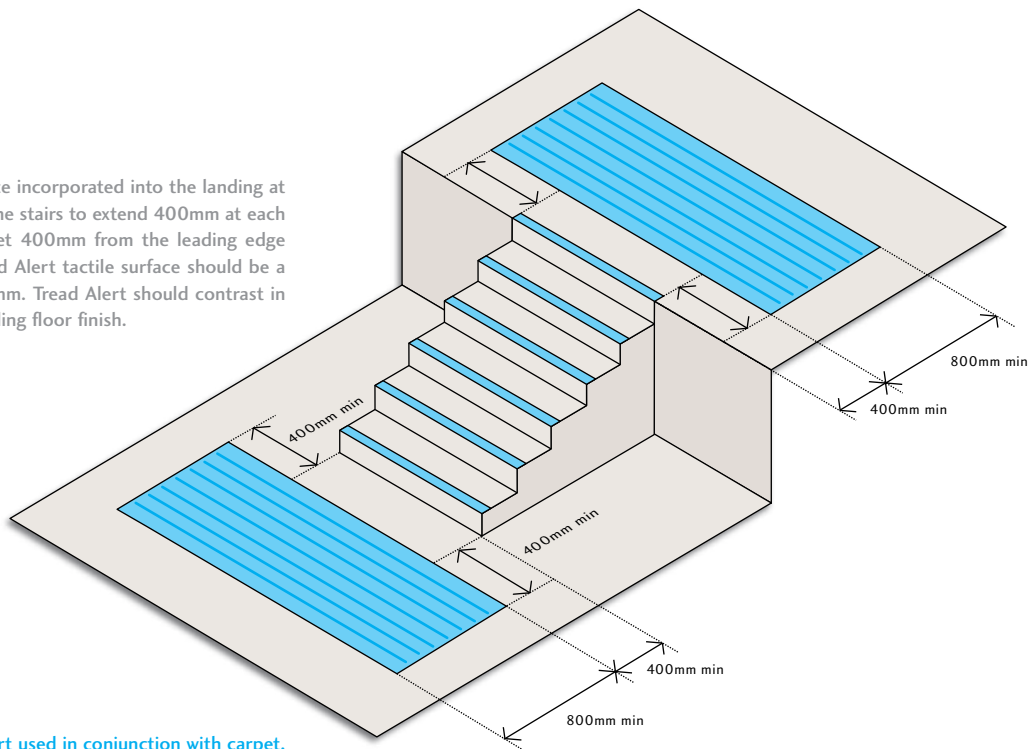
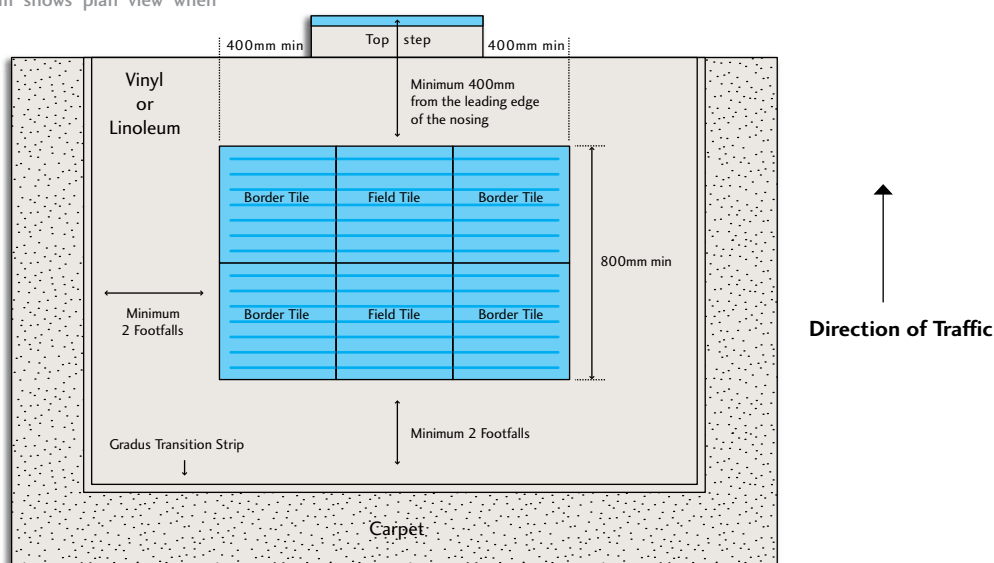
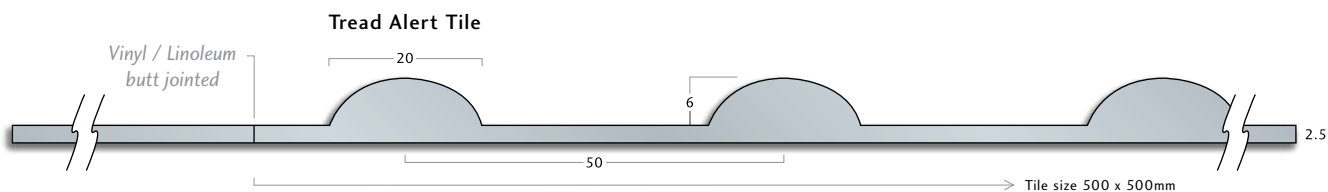


Diagram 2 Tread Alert used in conjunction with carpet.

Tread Alert tactile surface should be set-in to rubber, vinyl or linoleum to provide a graduated change in surface friction. Tread Alert should contrast in colour with the surrounding floor finish. Diagram shows plan view when descending stairs.



section 3



colour availability



For an accurate colour match request a physical product sample.



stair rods prestigious locations

description

Stair rods provide a traditional and prestigious finish and are often used with carpet runners. Typically used in prestigious hotels and National Trust properties they can also provide an attractive finish in the home. Stair rods are supplied in solid brass with a polished and lacquered finish and can also be supplied in a chrome finish to special order. A choice of 2 ranges, Niagara (12mm) and Victoria (19mm), complemented with either ball or acorn ends and hinged brackets.

profile availability

Stair Rods

- Niagara range - 12mm diameter, up to 1830mm maximum single length. Hinged brackets to suit
- Victoria range - 19mm diameter, up to 1830mm maximum single length. Hinged brackets to suit

Stair Rod Ends

- Niagara range - choice of ball or acorn ends in 38mm or 75mm
- Victoria range - choice of ball or acorn ends in 38mm or 75mm

Stair Rod Packer

- Used to build up bracket where underlay is used

finishes / environment

Stair rods suitable for interior use only.

- Supplied in solid brass with polished and lacquered finish
Also available in chrome finish to special order, contact Customer Support for further information
- Contour edge supplied in mill finish stainless steel

installation

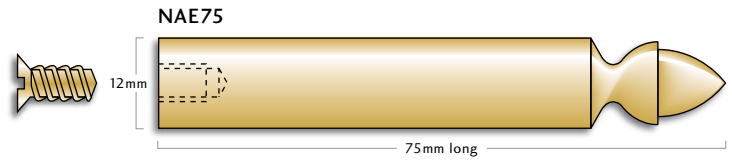
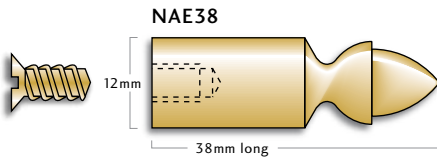
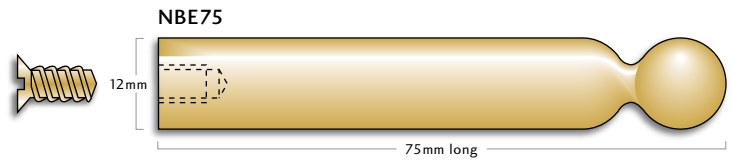
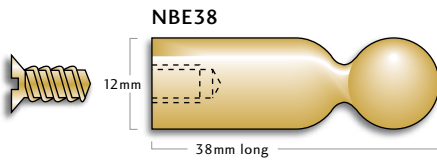
Installation guidelines can be found on page 164.

- Stair rods can be installed with either a carpet runner or wall to wall. If fitting to winding stairs, stair rods should be ordered oversize and trimmed to length after the carpet is in position
- Subject to approval of template stair rods can be curved or fabricated to special shapes
- Contour Edge should be trimmed 25mm short of the carpet width for concealment

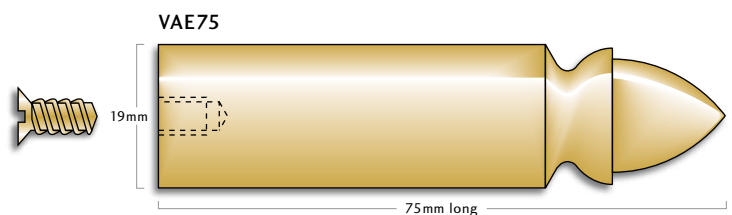
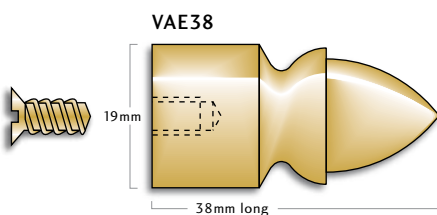
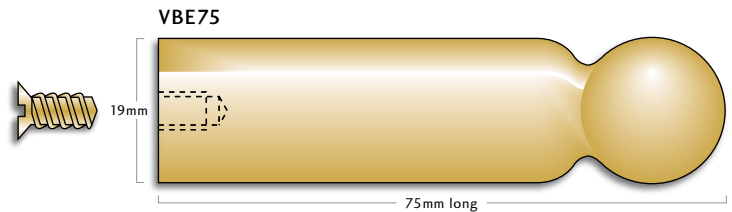
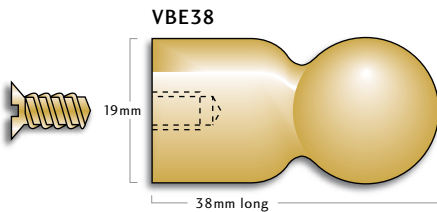
services

- Technical Services
- Samples
- Design Service
- Profiles can be fabricated

niagara rods

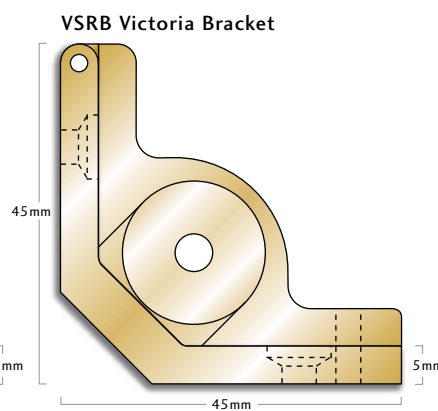
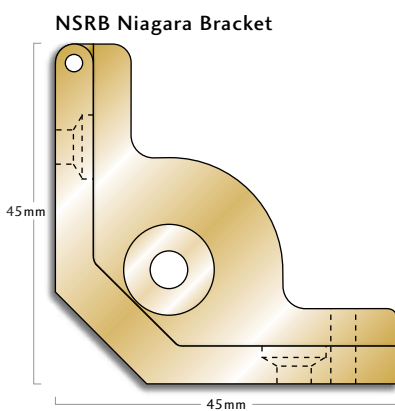


victoria rods

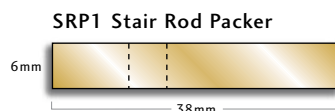


section 3

hinged brackets



! If underlay is being used on the staircase, packers may need to be installed. Contact Technical Services for further details.



contour edge

Contour Edge is designed to be used where a stair edging is not required and the carpet is “waterfalled” from the top to the bottom of a flight of stairs. It also helps to reduce wear to both the floorcovering and the leading edge of the step.

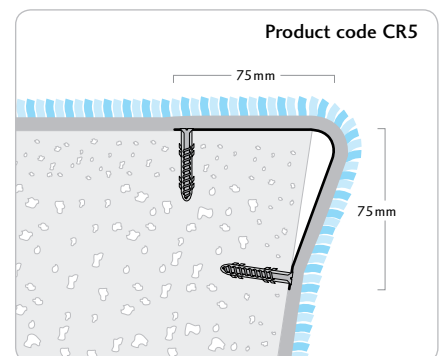


Illustration shown at 50% of actual size.

Profiles: Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.



slip resistant surface finishes

description

Safety Track™ is a heavy-duty slip resistant surface finish that can be used on ramps, walkways or anywhere where a risk of slip exists. Safety Track consists of a silicone carbide resin carrier with a self adhesive backing.

Titazel™ is a two-part epoxy resin based resurfacer incorporating abrasive grits for use in interior or exterior situations to provide a slip resistant finish.



availability

Safety Track

- Available in wide choice of sizes and configurations including rolls, cleats, tiles and stair treads (see opposite page)

Titazel

- Supplied in kit format to cover up to 1m²

finishes / environment

- Suitable for interior and exterior use
- Resistant to most common chemicals
- Available in Black only

installation

Full installation instructions are available from Technical Services.

- Surfaces must be fully prepared; clean, flat, even and free from any oil, moisture or dust

Safety Track

- Primer is available in 1 litre tins (approximate coverage 5sq/m per tin) to assist with surface preparation. Where there is a danger of water penetration e.g. outdoor locations or other wet areas the use of Edge Fix sealant is recommended. Edge Fix sealant is supplied in 5oz tubes. Maximum adhesive strength is reached after 48 hours. Safety track should not be installed at temperatures below 5°C

Titazel

- Titazel is applied by mixing resin, grit and hardener and trowelling over the designated area. A grit finish is then applied. Titazel requires a minimum of 12 hours to set - curing time varies according to temperature

services

- Technical Services
- Samples

safety track™

Material	Silicone carbide resin carrier with self-adhesive backing
Application	Surface mounted
Profiles	Dimensions detailed are nominal. Products subject to minor design alterations without notice.

- Suitable for use on most substrates including concrete, stone, terrazzo, wood etc. (surfaces should be primed prior to application with Safety Track primer)
- Ideal for use on:
 - Ramps
 - Walkways
 - Gentries
 - Landings
 - Plant and Machinery
 - Emergency Service Vehicles
 - Commercial and Agricultural Vehicles
 - Marine Decking
- Available in Black
- Rolls are available to be cut to bespoke sizes.
Cleats, tiles and stair treads are supplied cut to size with radius corners



Roll Size	25mm x 18m	1" x 60'
	51 mm x 18m	2" x 60'
	102mm x 18m	4" x 60'
	153mm x 18m	6" x 60'
	305mm x 18m	12" x 60'
	609mm x 18m	24" x 60'
Cleats	153mm x 609mm	6" x 24"
Tiles	140mm x 140mm	5½" x 5½"
Stair Treads	20mm x 609mm	¾" x 24"
Primer	One Litre Tin	
Edge Fix	Tube (5oz)	

titazel™

Material	Two-part epoxy resin
Application	Surface mounted
Profiles	Products subject to minor design alterations without notice.

- Suitable for use on most substrates including concrete, stone, terrazzo, wood etc.
- Ideal for use on:
 - Ramps
 - Walkways
 - Gentries
 - Landings
 - Plant and Machinery
 - Emergency Service Vehicles
 - Commercial and Agricultural Vehicles
 - Marine Decking
- Available in Black
- Titazel should be applied to flat, dry and sound surfaces that are free from contaminants. Serious undulations or irregularities should always be made good first
- Supplied in kit format to cover up to 1m² with full fixing instructions





4 section



skirtings, capping strips & accessories

Information to ensure the correct selection of skirtings, capping strips and other accessories along with details of colour availability. Details of Gradus pvc skirtings, metal skirtings, cove formers and capping strips can be found in this section. Wall protection systems are also introduced in this section.

	Page
skirtings & capping strips	
Guide to Skirtings & Capping Strips	90 - 91
Colour Availability	92
Colour Availability Chart	93
stratum skirtings	94 - 95
pvc skirtings	96
Bio-Trust	97
Set-In	98
Sit-On	99
Flat	99
'P' Range	100 - 101
textura decorative pvc skirtings	102 - 103
metal skirtings	104 - 107
capping strips, cove formers & accessories	108
Capping Seals	109
Carpet Caps	110
Tile Caps	111
Cove Formers	111
wall protection systems	112 - 113

guide to skirtings & capping strips

safety

Skirtings, cove formers and capping strips are used to provide clean, neat solutions for junctions where the floor meets the wall. Solutions are available to suit most applications from “critical” clean areas where a homogeneous finish is essential such as hospital wards and treatment rooms, through to commercial office or retail environments where functionality needs to be combined with aesthetics.



All surfaces including floor finishes can provide a breeding ground for harmful bacteria. Many resilient floorcoverings now incorporate biocides to reduce the spread of bacterial growth. To ensure a complete floorcovering solution several Gradus pvc skirting profiles are available with Gradus Bio-Trust, an anti-bacterial agent that inhibits the growth of bacteria and protects against musty odours, permanent staining and product deterioration. Gradus Bio-Trust has been proven in laboratory tests to actively inhibit the growth of Methicillin Resistant Staphylococcus Aureus (MRSA) and E-coli bacteria.

healthcare environments

Where thin flexible floor finishes are used:

- Pre-formed pvc sit-on type skirting
- Pre-formed pvc set-in type skirting for welding to floor finishes. Vertical joints should be welded or sealed where a completely impervious finish is required
- Floorcovering taken up the wall using a suitable cove former

For further guidance on the use of pvc skirtings in healthcare environments refer to:

Health Technical Memorandum (HTM) Building Components: Flooring 61
3 Design Guidance, 3.1.5 Skirtings

performance

Selecting the correct profile will ensure product performance to match the environment and provide a low maintenance solution to traditional skirting finishes.

pvc **Set-In skirtings** will allow, when required, a homogeneous finish to be achieved through the use of a proprietary weld rod (hot weld) or a proprietary cold weld adhesive/silicone. For further details on welding set-in skirtings contact Technical Services.

Sit-On skirtings are used where a neat, clean finish is required in non-critical clean areas.

Cove Former and Capping Strips are used where the floorcovering is continued up the wall. Cove former ensures a neat cove is achieved and supports the floorcovering at a weak point whilst a capping strip provides a neat, hygienic finish where the floorcovering stops.

Flat skirtings are used primarily with textile floorcoverings to form a neat, low maintenance alternative to traditional timber skirting.

stratum Ideal alternative to wood skirting. Stratum provides the look of a traditional wood skirting whilst providing a low maintenance hygienic solution. Used where a neat clean finish is required in non-critical clean areas and in any application where ongoing maintenance and aesthetics are important factors.

metal Modern alternative to timber or pvc skirtings. Ideal for creating a modern hi-tech finish in environments such as commercial office, retail, leisure and education. Selected profiles offer low voltage cable management for safe neat finishing.

location - ideal for

pvc

Set-In - Hygiene Critical Areas
e.g. Treatment Rooms

Sit-On - Hospital Corridors, Schools

Flat - Offices, Retail Shops

Coilable - Suitable for all areas.
Ideal for critical clean environments.

stratum

Commercial Office, Schools,
Colleges, Health Centres and Retail

metal

Commercial Office, Retail Shops, Bars and
Restaurants

aesthetics

Gradus skirtings and capping strips are available in a variety of finishes and colours.

pvc A choice of 20 skirting profiles available in up to 25 colours and finishes, including Textura skirting, a range utilising innovative technology to provide a natural stone-effect finish. Special colour matches are available subject to minimum quantity. Ideal for use in any design scheme. Capping Strips are available in a choice of Textura, Standard or Metallic (metal effect) finishes to suit a wide range of floorcoverings. In addition the ‘P’ Range of pvc Skirtings is a range of eleven low cost solutions available in Black only, ideal for use where simple functionality is a priority. Special colour matches are available subject to minimum quantity and price premium.

stratum Two simple easy-to-clean designs available in Snowdrift, a clean, bright white.

metal A choice of four profile designs in a variety of height options available in a selection of finishes including stainless steel and aluminium, with additional options including wood and anodised aluminium top sections.

project rainbow

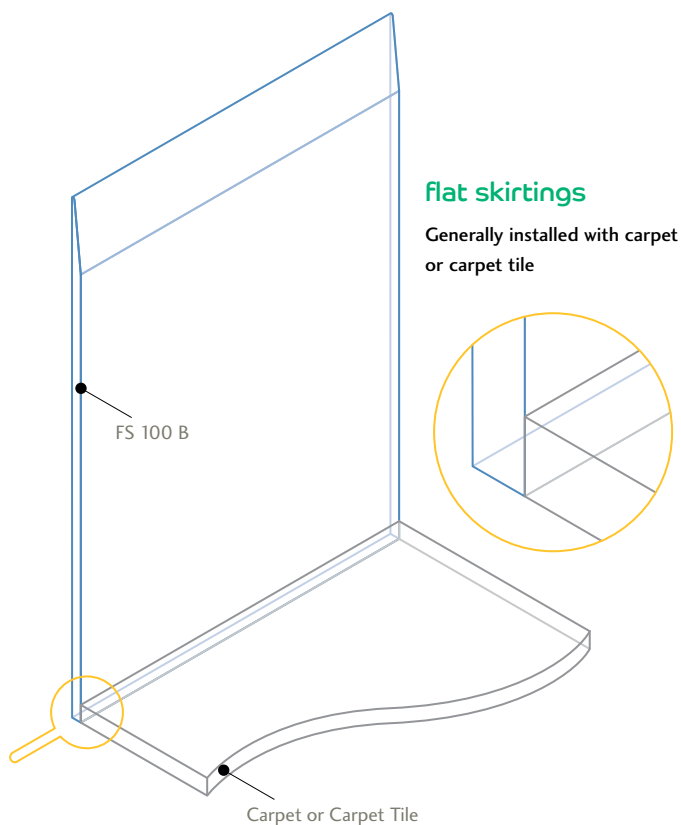
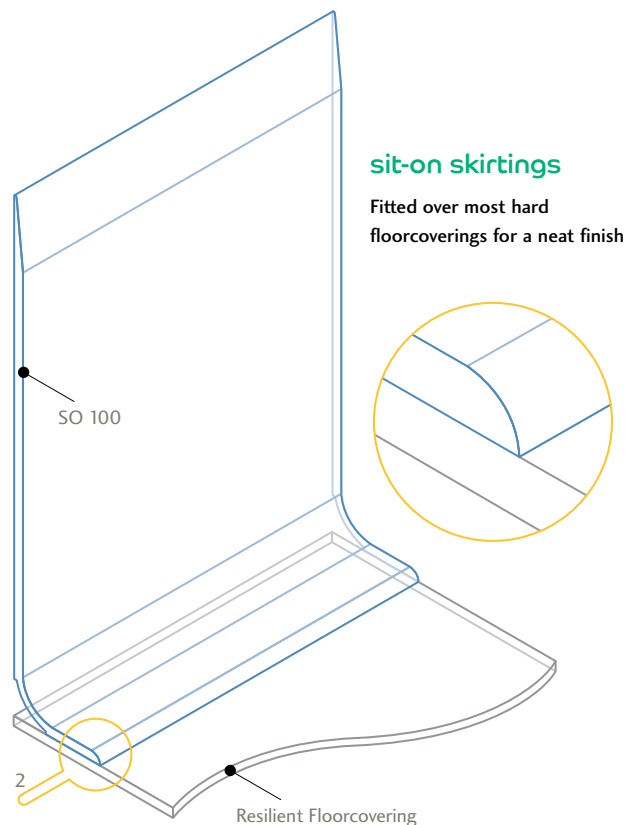
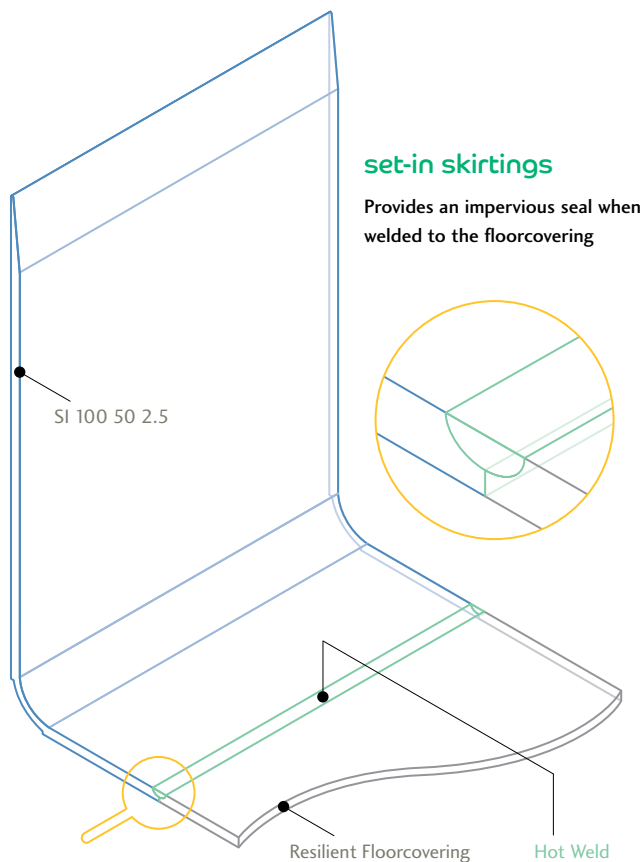
(A research project carried out by Reading University in conjunction with the RNIB, GDBA and ICI paints).

A design guide for the use of colour and contrast to improve the built environment for visually impaired people.

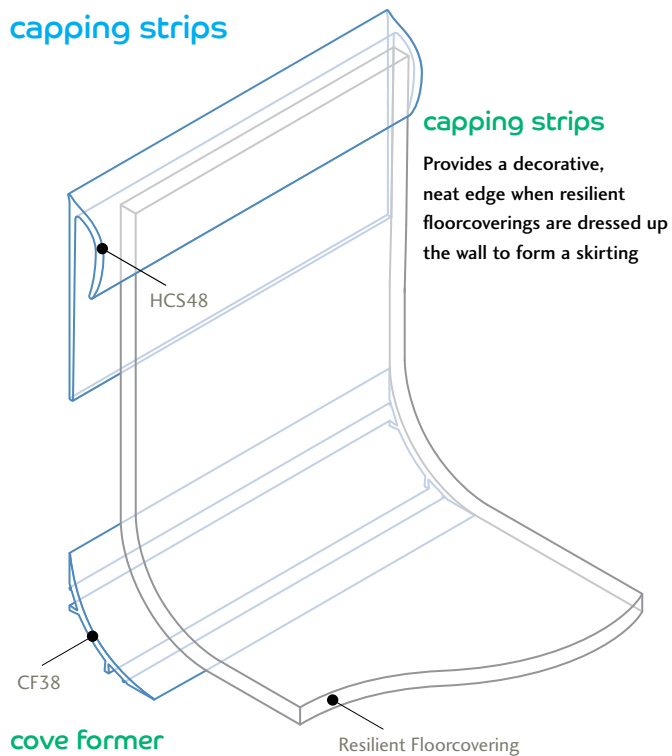
Use of a skirting that contrasts in colour and luminance with the floorcovering can assist visually impaired people to determine the borders of a room. As a guide, skirtings should match the wall colour or provide a complete contrast to both the wall and floor.

Project Rainbow is referred to in The Building Regulations 2000 - Approved Document M.

3 pvc skirting designs to choose from



capping strips

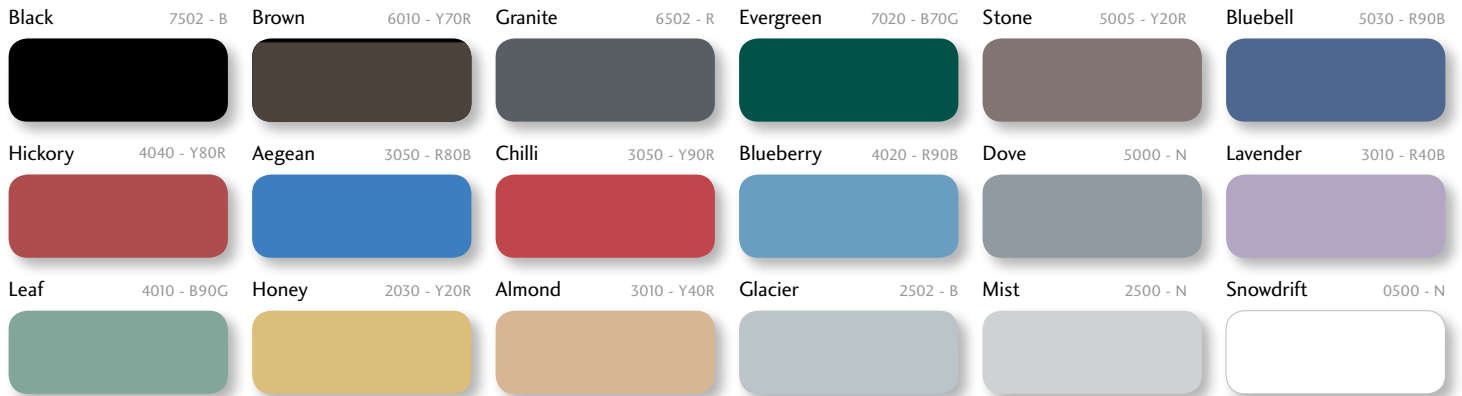


cove former

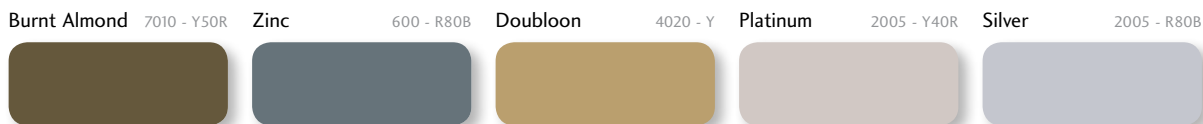
Provides a neat coved finish to assist floorcoverings to achieve a vertical finish

colour availability - skirtings, capping strips & accessories

standard



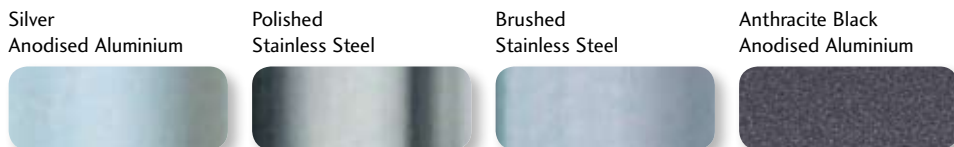
metallics



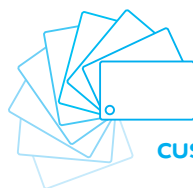
textura



metals



wood



for samples
contact
customer support on **01625 428922**

NCS colour references



Gradus is a member of NCS (Natural Colour System) and utilises the NCS reference codes shown above each colour. NCS is a user friendly colour language and is the only colour system that describes colour exactly as we see it. NCS is used by professionals as a tool for precise colour communication, selection and specification. For further information visit the NCS website - www.ncscolour.co.uk
©Property of and used under licence from the Scandinavian Colour Institute AB, SCI-Sweden se, Stockholm 2004. 'See www.ncscolour.co.uk for NCS-standard samples'.

colour availability chart

The table below shows the colour availability of various profiles from stock as well as availability of standard colours where a minimum quantity and lead time applies. Non-standard colours are also available and special colours can be matched upon request subject to minimum quantity and lead time (see page 171). For further information contact Customer Support.

Key: ▲ Available from Stock
○ Subject to minimum quantities and lead times

	PCs40, SO100, FS100B, FS303, SI100502, SO100A, SI100502A, PCS40A	SO75, SO150	P' Range Skirtings and PCs40p	Textura Skirtings and TXHCS48	CSI100502, CSI100502A, HCS48	CSO100P	CCF1001	All Other Skirtings	CC40, CC75	MCC	MCS	TC47	TC48	Stratum	Metal Skirtings
Standard	Brown	▲	▲	○	▲	○	○	▲	▲						○
	Dove	▲	▲	○	▲	○	▲	▲	▲						○
	Granite	▲	▲	○	▲	○	○	▲	▲						○
	Black	▲	▲	▲	▲	▲	○	▲	▲				▲		○
	Snowdrift	▲	▲	○	▲	○	▲	○	▲			▲	▲	▲	
	Glacier	▲	▲	○	▲	○	▲	○					▲		○
	Stone	▲	▲	○	▲	○	○	○							○
	Almond	▲	▲	○	▲	○	▲	○							○
	Bluebell	▲	▲	○	▲	○	○	○	▲						○
	Evergreen	▲	▲	○	▲	○	○	○							○
	Hickory	▲	○	○				○							○
	Chilli	▲	○	○				○							○
	Aegean	▲	○	○				○							○
	Honey	▲	○	○				○							○
	Mist	▲	○	○				○							○
	Leaf	▲	○	○				○							○
	Lavender	▲	○	○				○							○
	Blueberry	▲	○	○				○							○
Metallics	Burnt Almond													▲	
	Doublon								▲	▲				▲	
	Platinum									▲	▲			▲	
	Silver								▲	▲				▲	
	Zinc								▲	▲				▲	
Textura	Tundra			▲											
	Bluestone			▲											
	Drystone			▲											
	Aspen			▲											
	Atlantis			▲											
	Mars			▲											
	Helvellyn			▲											
Metal	For metal skirtings see individual profile pages 105 to 107 for details of stock availability. Finishes are shown opposite.														



stratum skirtings

pvc alternative to timber

description

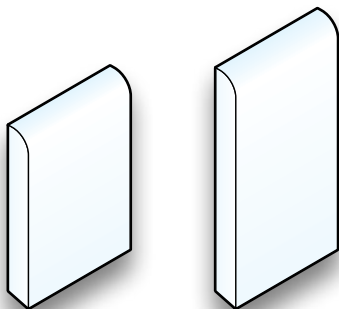
The Gradus Stratum range comprises heavy-duty pvc skirting profiles suitable for a wide range of contract applications including education, healthcare and commercial office.

Life cycle analysis shows Stratum is a cost effective alternative to wood skirtings. The smooth matt finish is resistant to stains, dents and scratches, and will not splinter, chip and crack like traditional wood skirtings, offering a low maintenance hygienic solution to wall base finishing.

Stratum can be installed around gentle curves and can also accommodate and disguise minor irregularities in wall surfaces.

stratum

tapered to ensure seal to floor and to accommodate minor irregularities in wall base finish



profile availability

Profile designs to accommodate most floorcoverings.

- Skirting profiles 10mm thick in two heights – 75mm and 100mm
- Supplied in 2m lengths

environment

Stratum skirtings suitable for interior use.

- Profiles ideal for use in most areas

finishes

- Available in Snowdrift - a clean, bright white
- Available in other standard colours from the Gradus pvc skirting range subject to minimum quantity and lead times

installation

Full installation instructions are available from Technical Services.

- Stratum skirtings are installed to wall surfaces using contact adhesive
- Eliminates the need for processes normally associated with wood skirting such as sanding, priming, filling and painting
- Internal/external corners can be mitred on site

services

- **Technical Services**
- **10 year warranty**
- **Samples**
- **Design Service**

Stratum range

For guidance on the correct selection of skirtings see pages 90 to 91.

Description Semi-flexible pvc skirting

Application Ideal for use in most areas

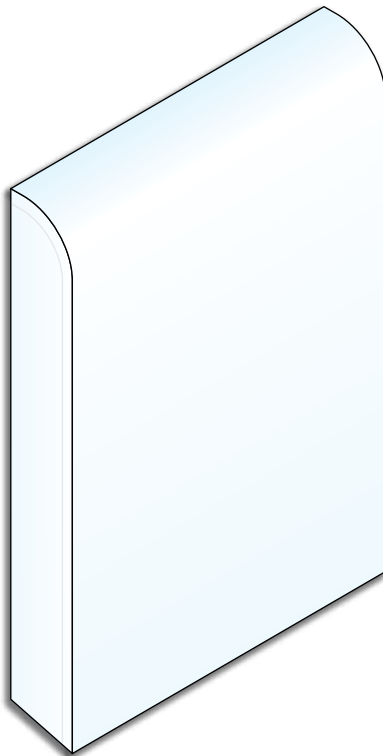
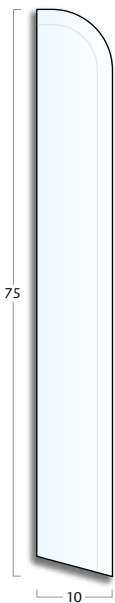
Profiles 10mm thick, 2 heights - 75mm and 100mm
Supplied in 2m lengths

Dimensions shown are nominal. Illustrations are full size in mm.
Products subject to minor design alterations without notice.

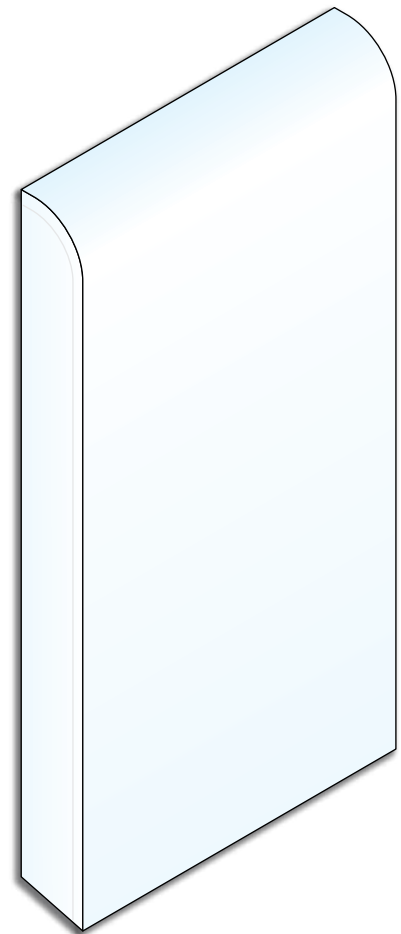
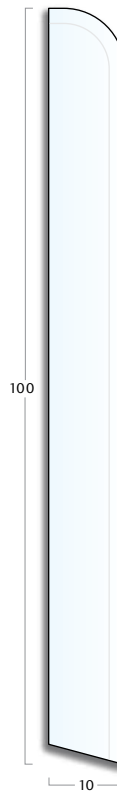


Stratum contains up to 80% recycled content.

STM 75 10
Sit-On



STM 100 10
Sit-On



Design Service
see page 171.

colour availability

Stratum: Snowdrift.

For a quick colour reference guide use the back cover foldout.
For full details on Colour Availability see pages 92 to 93.



pvc skirtings

the durable, low maintenance solution

description

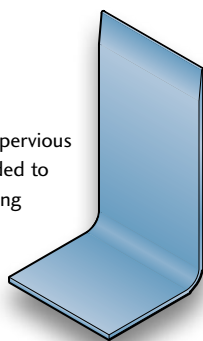
An extensive range of pvc skirtings, through-coloured for maximum performance and maintenance. Used in conjunction with floorcoverings from all major manufacturers. Suitable for a wide range of commercial applications.

which skirting?

See pages 90 to 91 for a guide to skirtings.

Set-In

Provides an impervious seal when welded to the floorcovering



Sit-On

Fitted over most hard floorcoverings for a neat finish



Flat

Generally installed with carpet or carpet tile



profile availability

Profile designs available to accommodate most floorcoverings.

- Set-in skirtings available in a range of thicknesses to suit most vinyl, linoleum and anti-static floorcoverings
- Coiled set-in skirtings supplied in 15m coils to minimise the number of vertical joints. External/internal corners can be formed on site also to minimise the number of joints
- Sit-on skirtings available in a choice of heights to suit different design needs

environment

Pvc skirtings suitable for interior use.

- Set-in profiles suitable for use in critical clean areas subject to regular wet cleaning e.g. hospital treatment areas
- Sit-on and flat profiles ideal for use in areas such as schools, retail areas and offices etc.
- Coilable set-in profiles are ideal for use in critical clean areas where both vertical and horizontal joints require welding e.g. food preparation areas and clinical treatment areas

finishes

- Pvc profiles - choice of up to 18 colours dependent on profile selection (see page 92 for colour availability). 'P' Range profiles - Black only
- Gradus Bio-Trust skirtings and capping strips available in up to 18 colours for use in critical clean areas



installation

Installation guidelines can be found on page 164.

- Pvc skirtings are secured to wall surfaces using contact adhesive

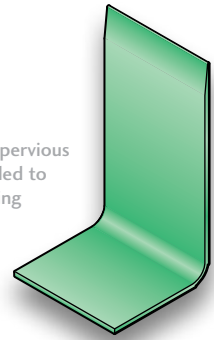
services

- Technical Services
- Samples
- 10 year warranty
- Design Service

set-in & sit-on range

For guidance on the correct selection of skirtings see pages 90 to 91.

Description	Flexible pvc capping seal, set-in or sit-on skirting
Application	Set-in - ideal for critical clean areas where a homogeneous finish is required e.g. hospital treatment areas Sit-on - ideal for use in areas such as hospital corridors, schools etc.
Profiles	Various gauges to suit different thicknesses of resilient floorcovering. All supplied in 2m lengths. Coilable skirtings are supplied in 15m coils Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.



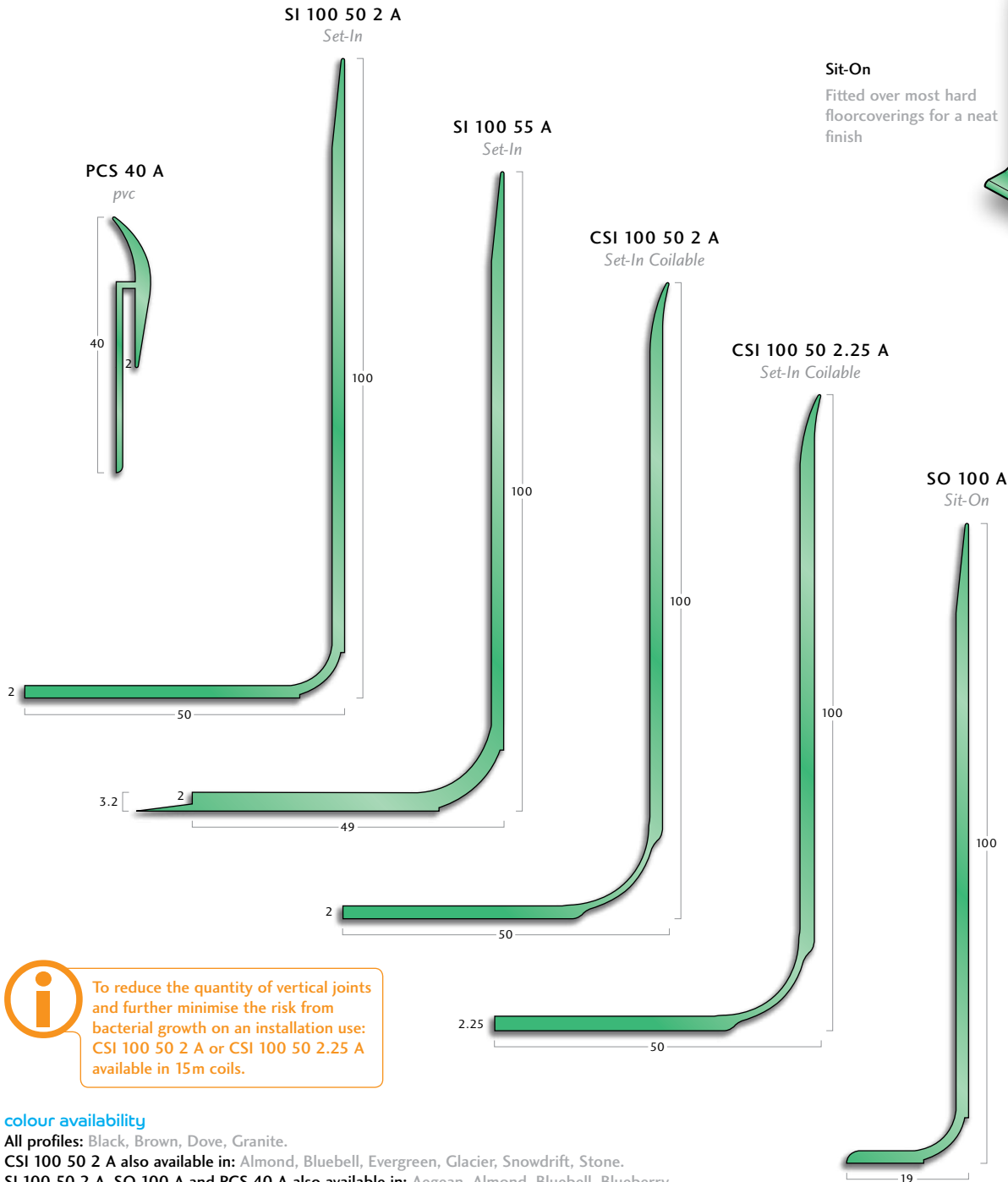
Set-In
Provides an impervious seal when welded to the floorcovering

SI 100 50 2 A



Sit-On
Fitted over most hard floorcoverings for a neat finish

SO 100 A



i To reduce the quantity of vertical joints and further minimise the risk from bacterial growth on an installation use: CSI 100 50 2 A or CSI 100 50 2.25 A available in 15m coils.

colour availability

All profiles: Black, Brown, Dove, Granite.
 SI 100 50 2 A also available in: Almond, Bluebell, Evergreen, Glacier, Snowdrift, Stone.
 SI 100 50 2 A, SO 100 A and PCS 40 A also available in: Aegean, Almond, Bluebell, Blueberry, Chilli, Evergreen, Glacier, Hickory, Honey, Lavender, Leaf, Mist, Snowdrift and Stone.
 All other skirtings available in the above colours subject to minimum quantities and lead times.

For a quick colour reference guide use the back cover foldout.
 For full details on Colour Availability see pages 92 to 93.

skirtings - set-in

set-in range

For guidance on the correct selection of skirtings see pages 90 to 91.

Description Flexible pvc set-in and set-in coilable skirting

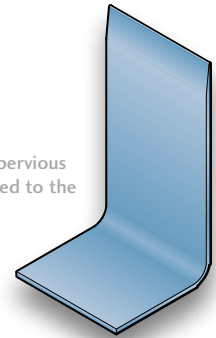
Application Ideal for critical clean areas where a homogeneous finish is required e.g. hospital treatment areas

Profiles Various gauges to suit different thicknesses of resilient floorcovering. All supplied in 2m lengths. Coilable skirtings are supplied in 15m coils

Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

Set-In Coilable

Provides an impervious seal when welded to the floorcovering



CSI 100 50 2
Coilable

SI 100

SI 100 50 2

SI 100 55

SI 100 32

SI 100 50 2.5

SI 100 50 3.2

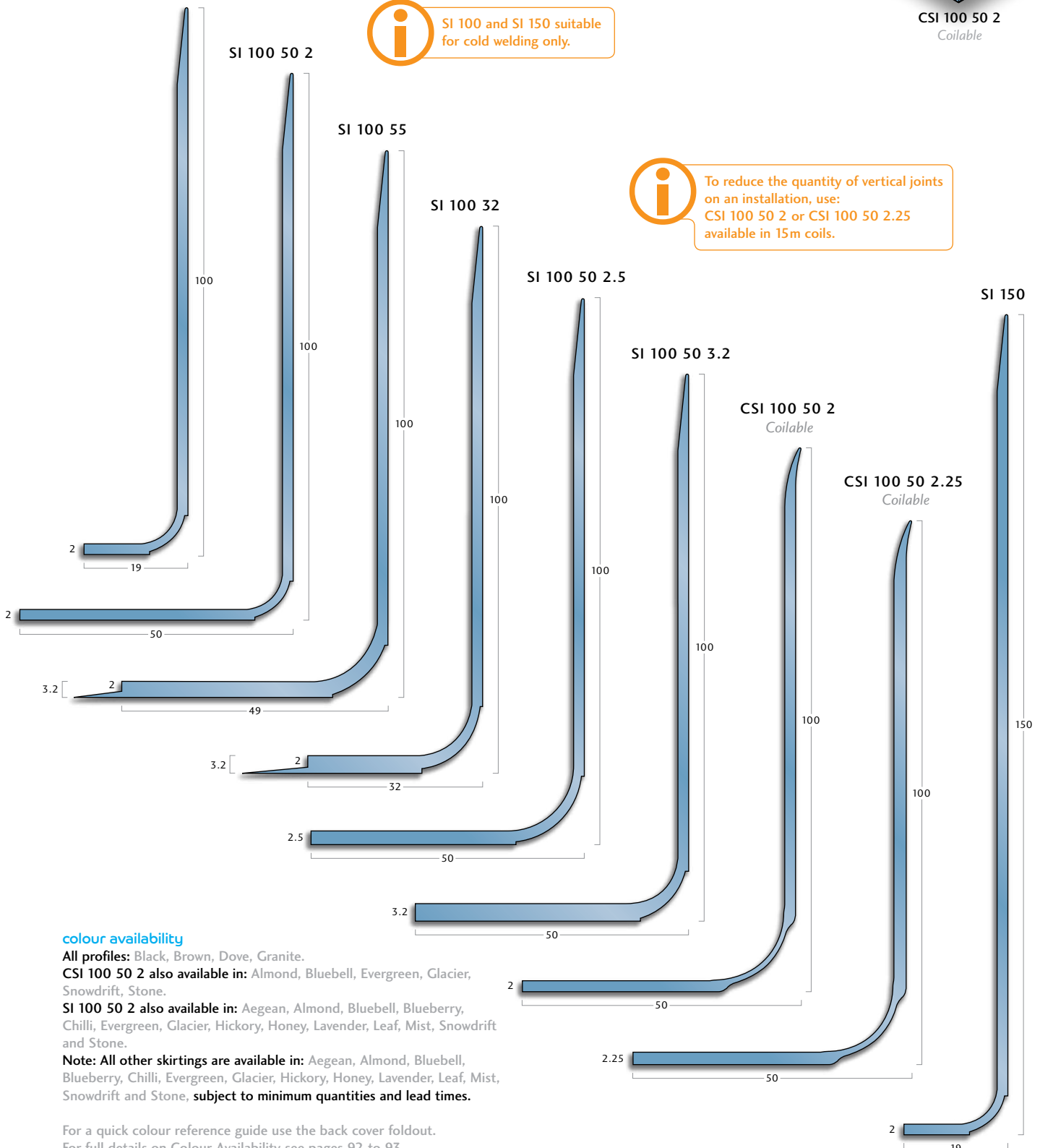
CSI 100 50 2
Coilable

CSI 100 50 2.25
Coilable

SI 150

i SI 100 and SI 150 suitable for cold welding only.

i To reduce the quantity of vertical joints on an installation, use: CSI 100 50 2 or CSI 100 50 2.25 available in 15m coils.



colour availability

All profiles: Black, Brown, Dove, Granite.

CSI 100 50 2 also available in: Almond, Bluebell, Evergreen, Glacier, Snowdrift, Stone.

SI 100 50 2 also available in: Aegean, Almond, Bluebell, Blueberry, Chilli, Evergreen, Glacier, Hickory, Honey, Lavender, Leaf, Mist, Snowdrift and Stone.

Note: All other skirtings are available in: Aegean, Almond, Bluebell, Blueberry, Chilli, Evergreen, Glacier, Hickory, Honey, Lavender, Leaf, Mist, Snowdrift and Stone, subject to minimum quantities and lead times.

For a quick colour reference guide use the back cover foldout.
For full details on Colour Availability see pages 92 to 93.

sit-on & flat range

For guidance on the correct selection of skirtings see pages 90 to 91.

Description Flexible pvc flat or sit-on skirting

Application Sit-on - ideal for use in areas such as hospital corridors, schools etc.

Flat - ideal for use with textile floorcoverings - provides a low maintenance alternative to timber skirting

Profiles Various heights to suit different applications. SO100EG incorporates a photoluminescent strip for added visibility. FS303 is used to form an internal stringer to stairs

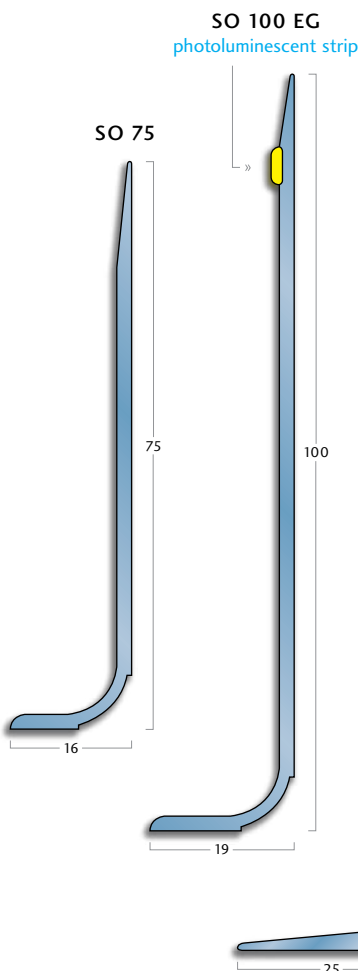
Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

Sit-On

Fitted over most hard floorcoverings for a neat finish



SO 100



Flat

Generally installed with carpet or carpet tile.



FS 100 B

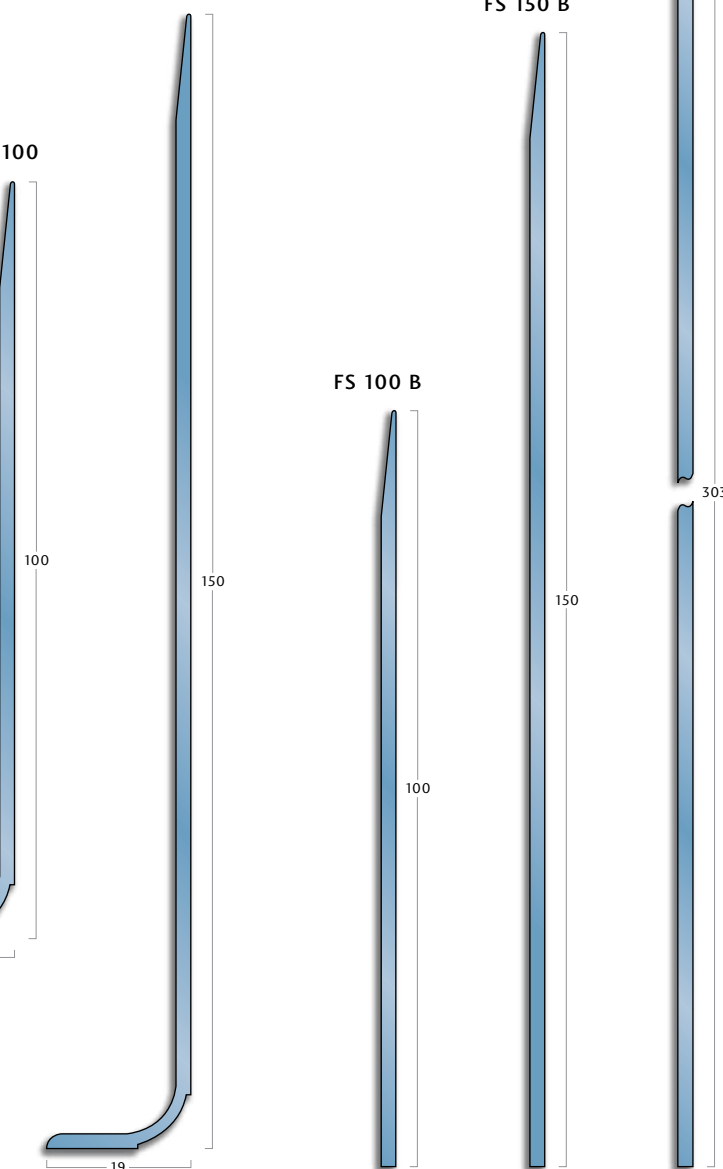
SO 150

SO 100

FS 150 B

FS 100 B

FS 303



colour availability

All profiles: Black, Brown, Dove, Granite.

SO 75, SO 100, SO 150, FS 303 and FS 100 B are also available in: *Aegean, Almond, Bluebell, *Blueberry, *Chilli, Evergreen, Glacier, *Hickory, *Honey, *Lavender, *Leaf, *Mist, Snowdrift, Stone.

*SO 75 and *SO 150 are available subject to minimum quantities and lead times.

SO 25, SO 100 EG and FS 150 B are available in all other colours subject to minimum quantities and lead times.

For a quick colour reference guide use the back cover foldout.

For full details on Colour Availability see pages 92 to 93.



Design Service
see page 171.

'P' range skirtings - set-in

'P' range

For guidance on the correct selection of skirtings see pages 90 to 91.

Description Flexible pvc sit-on, sit-on coilable, set-in and flat skirting

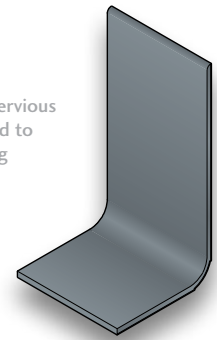
Application Ideal for use in areas where functionality is a priority.

Profiles Available in Black only. All supplied in 2m lengths.
Coilable skirtings are supplied in 15m coils

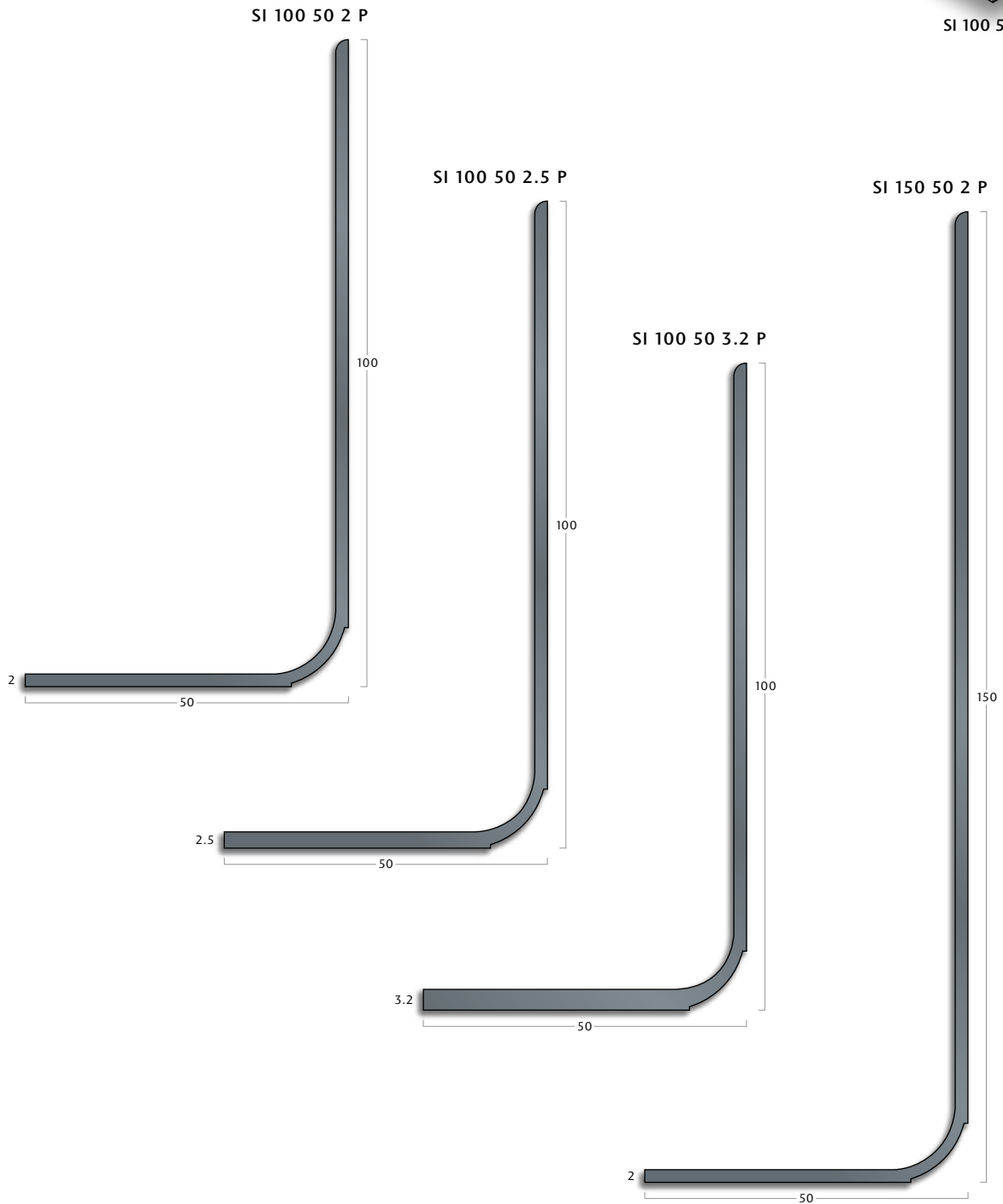
Dimensions shown are nominal. Illustrations are full size in mm.
Products subject to minor design alterations without notice.

Set-In

Provides an impervious seal when welded to the floorcovering



SI 100 50 2.5 P



colour availability

All profiles: Black.

The following colours are available subject to minimum quantities and lead times:

Aegean, Almond, Bluebell, Blueberry, Brown, Chilli, Dove, Evergreen, Glacier, Granite, Hickory, Honey, Lavender, Leaf, Mist, Snowdrift, Stone.

For a quick colour reference guide use the back cover foldout.

For full details on Colour Availability see pages 92 to 93.

Sit-On

Fitted over most hard floorcoverings for a neat finish



CSO 100 P
Coilable

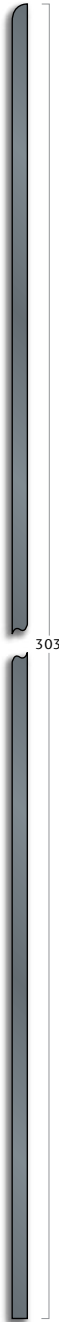
Flat

Generally installed with carpet or carpet tile.



FS 100 2 P

FS 303 P

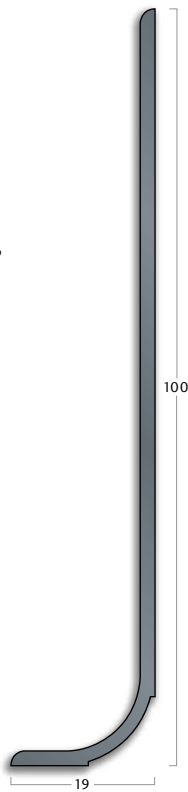


303

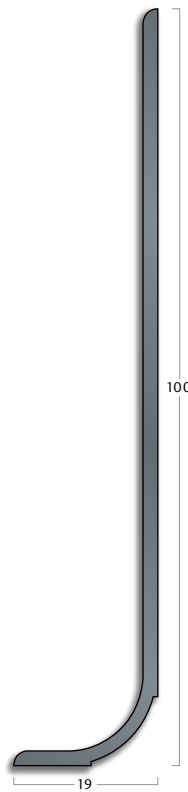


To reduce the quantity of vertical joints on an installation, use:
CSO 60 P or CSO 100 P
available in 15m coils.

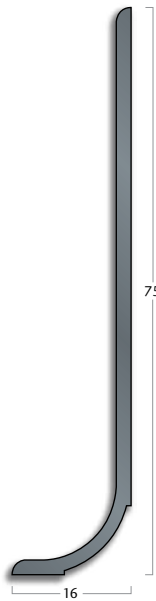
CSO 100 P
Coilable



SO 100 P



SO 75 P



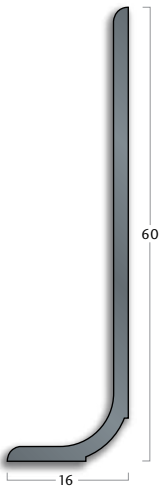
FS 100 2 P



FS 75 2 P



CSO 60 P
Coilable



Design Service
see page 171.



textura

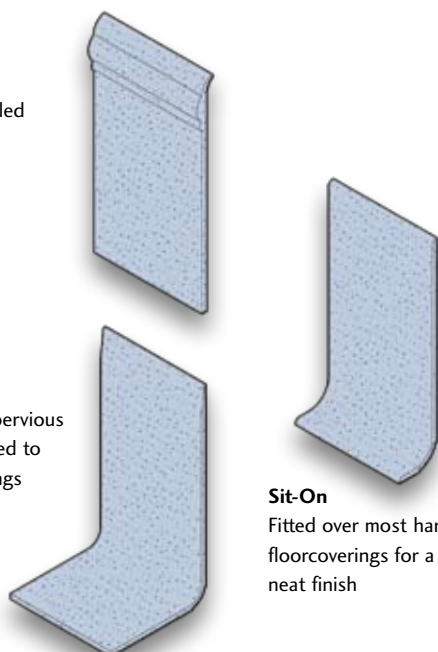
decorative pvc skirtings

description

Textura is a range of decorative pvc skirtings for applications where a combination of practicality and design is required. Natural stone-effect finishes are created using innovative pvc technology. Used in conjunction with floorcoverings from all major manufacturers. Suitable for a wide range of design led applications.

which skirting?

Flat
Generally installed with carpet or carpet tile



Set-In
Provides an impervious seal when welded to the floorcoverings

Sit-On
Fitted over most hard floorcoverings for a neat finish

profile availability

Profile designs available to accommodate most floorcoverings.

- Set-in skirting available to suit most vinyl, linoleum and anti-static floorcoverings of 2mm thickness

environment

Decorative pvc skirtings suitable for interior use.

finishes

- Available in 7 natural stone-effect finishes (see page 92 for details)

installation

Installation guidelines can be found on page 164.

- Pvc skirtings are secured to wall surfaces using contact adhesive
- Textura skirtings are batched and care should be taken to ensure that materials are from the same batch prior to commencing installation

services

- Technical Services
- Samples
- 10 year warranty
- Design Service

textura skirtings

For guidance on the correct selection of skirtings see pages 90 to 91.

Textura Flexible pvc base material with added fibres to give a natural stone-effect finish

Application Healthcare and other commercial applications. For use with carpet or hard floorcoverings

Profiles Choice of Flat, Sit-on and Set-in skirting profiles

Dimensions shown are nominal. Illustrations are full size in mm.
Products subject to minor design alterations without notice.



Design Service
see page 171.

Flat

Generally installed with carpet or carpet tile.



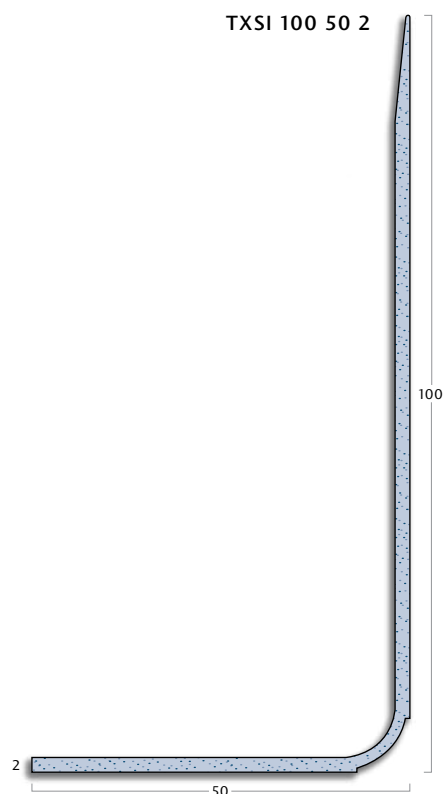
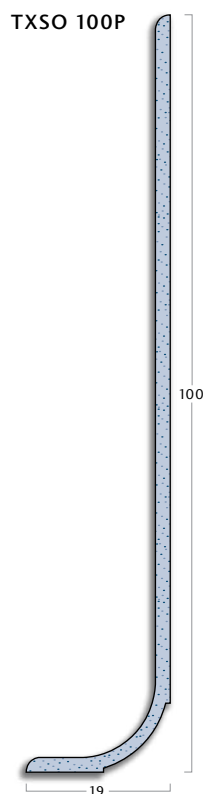
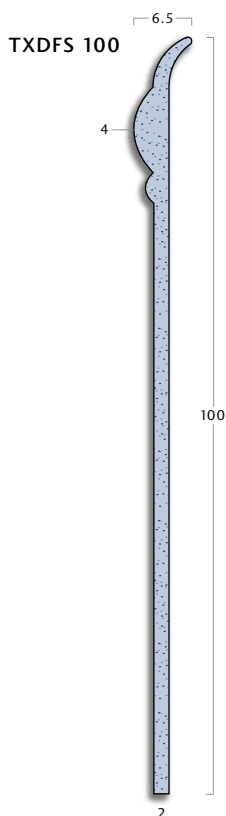
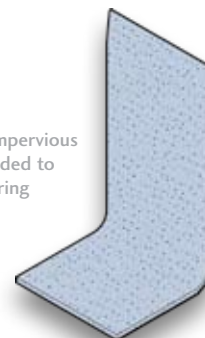
Sit-On

Fitted over most hard floorcoverings for a neat finish



Set-In

Provides an impervious seal when welded to the floorcovering



colour availability

Textura: Atlantis, Aspen, Bluestone, Drystone, Helvellyn, Mars, Tundra.

For a quick colour reference guide use the back cover foldout.
For full details on Colour Availability see pages 92 to 93.



metal skirtings

modern hi-tech finishing

description

Gradus metal skirtings are available in a variety of designs and heights to suit the requirements of modern commercial environments.

Profiles are available in a variety of finishes including stainless steel and aluminium, with additional options including wood and anodised aluminium top sections.

The BI and BIB profiles have also been designed with a cable tidy feature where low voltage cables e.g. computer and telephone cables, can be hidden from view.

which skirting?



BA
slimline skirting profile in either silver anodised aluminium or stainless steel.



BI
anodised aluminium skirting profile fixed to the wall using interlocking fixing brackets.



BIB
dual coloured modular skirting profile comprising silver anodised aluminium base profile and top section in either wood or aluminium.

profile availability

Profile designs to accommodate most floorcoverings

- Sit-on skirtings in a variety of heights – 60mm, 70mm, 80mm and 100mm
- BI, BIB and BA-AS (silver anodised aluminium) supplied in 2m and 4m lengths. 4m lengths minimise number of joins required
- BA-IL (stainless steel) supplied in 2.7m lengths
- Internal corners, external corners and end caps in Silver coloured PVC-u are available for a selection of profiles for neat finishing on site
- Selected profiles are held in stock, others are subject to lead times.

Key: ▲ Available from Stock ○ Available subject to lead times

environment / finishes

Metal skirtings suitable for interior use

- Ideal for use to create a modern hi-tech finish in environments such as commercial office, retail, leisure and education
- Available in silver anodised aluminium or stainless steel with additional options including wood or anodised aluminium top sections

installation

Full installation instructions are available from Technical Services

- BI and BIB profiles are fixed to the wall using screw fixings
- BA profiles are fixed to the wall using screw fixings or adhesive or can be ordered with pre-applied adhesive for quick installation
- Internal/external corners can be mitred on site or finishing accessories such as internal/external corners and end caps can be used

services

- **Technical Services**
- **Samples**

aluminium skirtings

BA-AS range

For guidance on the correct selection of skirtings see pages 90 to 91.

Description	Silver anodised aluminium
Application	Ideal for use in areas where a modern hi-tech finish is required. Designed to be installed on top of the floorcovering. The capped toe design of the profile allows wall-to-floor expansion gaps to be hidden when installed with tiled floorcoverings.
Profiles	Supplied in 2m and 4m lengths. Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.



Accessories are available for the 60mm and 80mm BA-AS profiles for neat finishing on site. These are supplied in silver finish PVC-u to co-ordinate with the aluminium skirting profiles. The skirting can be ordered without adhesive for screw fixing or adhesive fixing (use suffix 'N' on code e.g. BA 600 ASN) or with pre-applied self-adhesive for quick installation (use suffix 'A' on code e.g. BA 600 ASA).

Accessories	For use with BA 600 AS	For use with BA 800 AS
External Corner	BAE 600 PS	BAE 800 PS
Internal Corner	BAI 600 PS	BAI 800 PS
End Cap*	BAT 600 PS	BAT 800 PS

*End caps are supplied in a set of 2 – one left and one right.



stainless steel skirtings

BA-IL range

For guidance on the correct selection of skirtings see pages 90 to 91.

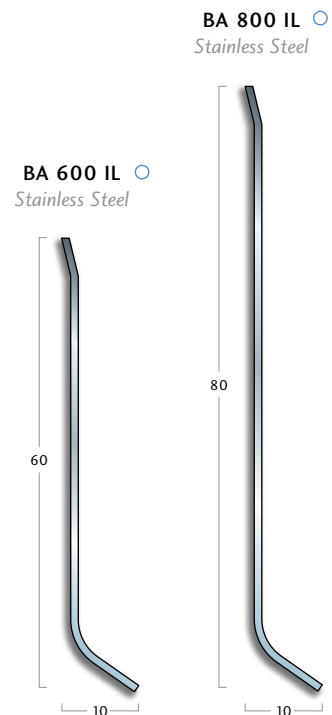
Description	Stainless steel. Also available in a brushed finish – use code IS e.g. BA 600 ISA (with pre-applied adhesive) or BA 600 ISN (without adhesive).
Application	Ideal for use in areas where a modern hi-tech finish is required. Designed to be installed on top of the floorcoverings. The capped toe design of the profile allows wall-to-floor expansion gaps to be hidden when installed with tiled floorcoverings.
Profiles	Supplied in 2.7m lengths. Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.



Accessories are available for the 60mm and 80mm BA-IL profiles for neat finishing on site. These are supplied in silver finish PVC-u to co-ordinate with the aluminium skirting profiles. The skirting can be ordered without adhesive for screw fixing (use suffix 'N' on code e.g. BA 800 ILN) or with self-adhesive for quick installation (use suffix 'A' on code e.g. BA 800 ILA).

Accessories	For use with BA 600 IL	For use with BA 800 IL
External Corner	BAE 600 PI	BAE 800 PI
Internal Corner	BAI 600 PI	BAI 800 PI
End Cap*	BAT 600 PISETDS	BAT 800 PISETDS

*End caps are supplied in a set of 2 – one left and one right.



interlocking aluminium skirtings

BI range

For guidance on the correct selection of skirtings see pages 90 to 91.

Description Silver anodised aluminium with interlocking aluminium fixing brackets.

Application Ideal for use in areas where a modern finish is required. Design allows low voltage (computer & telephone) cables to be hidden behind the skirting profile.

Profiles Supplied in 2m and 4m lengths.
2 fixing brackets supplied per metre.
Dimensions shown are nominal. Illustrations are full size in mm.
Products subject to minor design alterations without notice.

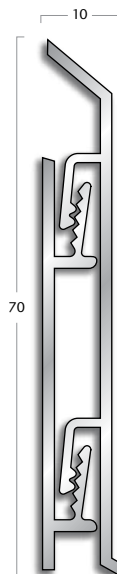


Accessories are available for the 70mm BI 700 AS profile for neat finishing on site. These are supplied in silver finish PVC-u to co-ordinate with the aluminium skirting profiles.

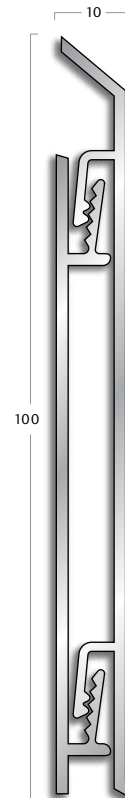
Accessories	
External Corner	BIE 700 PS
Internal Corner	BII 700 PS
End Cap*	BIT 700 PS

*End caps are supplied in a set of 2 – one left and one right.

BI 700 ASN ▲
Silver Anodised Aluminium



BI 1000 ASN ▲
Silver Anodised Aluminium



Key: ▲ Available from Stock
○ Available subject to lead times

dual-coloured modular skirtings

BIB range

For guidance on the correct selection of skirtings see pages 90 to 91.

Description Silver anodised aluminium base section with a choice of top section in anodised aluminium (Silver or Anthracite Black) or Wood (Oak in Natural or Varnished finish)

Application Ideal for use in areas where a modern finish is required. Design allows low voltage (computer & telephone) cables to be hidden behind the skirting profile.

Profiles Supplied in 2m and 4m lengths. Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.



Shown with Anthracite Black anodised aluminium top.

Accessories are available for the BIB profile for neat finishing on site. These are supplied in silver finish PVC-u to co-ordinate with the aluminium base section.

Accessories	
External Corner	BIE 800 PS
Internal Corner	BII 800 PS
End Cap*	BIT 800 PS

*End caps are supplied in a set of 2 – one left and one right.

Finish	Top Section
Silver Anodised Aluminium	BI 800 ASN
Anthracite Black Aluminium	BI 800 A50
Solid Oak Natural Finish	BI 800 RON
Solid Oak Varnished Finish	BI 800 RO

- BI 800 (Top Section - see table for finishes)
- BIB 800 AS (Base) - Silver Anodised Aluminium

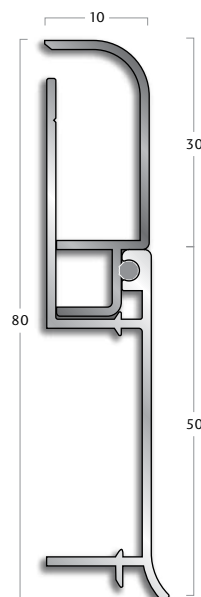


Illustration shown with Anodised Aluminium top section

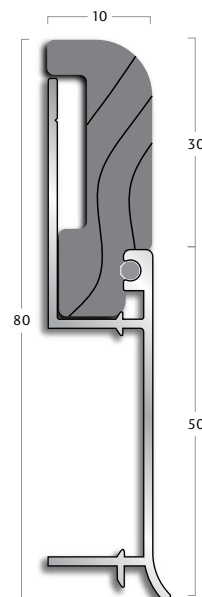


Illustration shown with Wood top section

colour availability

For full details on Colour Availability see pages 92 to 93.



capping strips, cove formers & accessories

providing a neat finish

description

An extensive range of pvc, PVC-u and aluminium capping strips, cove formers and accessories used where floorcoverings are dressed up the wall to form a skirting with a neat finish, and to join floorcoverings to wall finishes. Suitable for use with carpet, resilient floorcoverings and ceramic tiles. Available in choice of colours that can be used in conjunction with floorcoverings from all major manufacturers. Suitable for a wide range of commercial applications.

capping seals

Provide a decorative, neat edge where resilient floorcoverings are dressed up the wall to form a skirting.

carpet caps

Provide a decorative, neat edge where carpets are dressed up the wall to form a skirting.

cove formers

Provide a neat cove allowing floorcoverings to be dressed up the wall to form a skirting and support floorcovering at a weak point.

tile caps

For use where ceramic wall tiles are finished against a resilient floor finish that has been dressed up the wall to form a skirting.

profile availability

Profile designs available to accommodate most floorcoverings.

- Capping seals to suit resilient floorcoverings up to 5mm thick
- Carpet caps to suit carpets up to 7mm thick (compressed thickness)
- Tile caps to suit resilient floor finishes up to 6mm thick

environment

Capping strips suitable for interior use.

finishes

- Profiles available in standard colours, decorative metallic and Textura finishes (see colour availability chart page 93)
- Bespoke colours available subject to minimum quantities and lead times
- Gradus Bio-Trust skirtings and capping strips available in up to 18 colours for use in critical clean areas (see page 97 for details)

installation

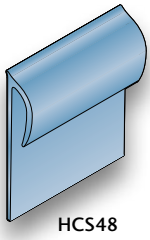
Installation guidelines can be found on page 164.

- Capping seals and tile caps are secured to wall surfaces using contact adhesive
- Carpet caps are secured with screws and adhesives to wall surfaces
- Capping seals, carpet caps and tile caps are often used in conjunction with cove former to assist floor finishes in achieving a vertical finish

services

- **Technical Services**
- **Profiles can be fabricated**
- **Samples**
- **Design Service**
- **10 year warranty**

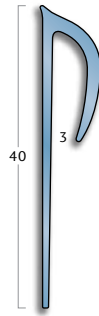
capping seals



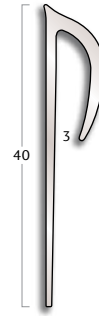
HCS48

Flexible pvc capping seals are used to finish the top of a resilient floorcovering where it has been covered up the wall. Capping seals are usually used in conjunction with a cove former (see page 111).

HCS48
pvc



MCS48
pvc Metallic



TXHCS48
pvc Textura

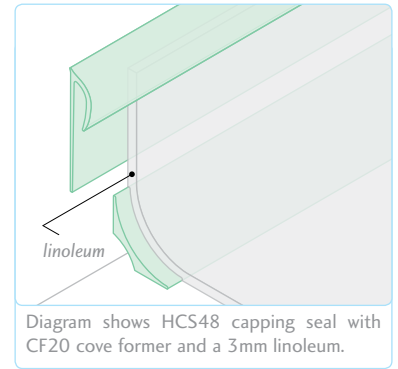
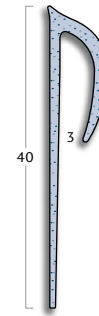
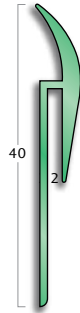
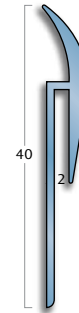


Diagram shows HCS48 capping seal with CF20 cove former and a 3mm linoleum.

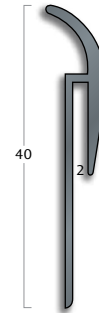
PCS 40 A
pvc



PCS40
pvc

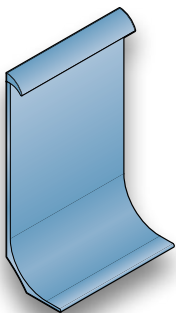


PCS40P
pvc 'P' Range



To reduce the quantity of vertical joints on an installation, use:

HCS48, MCS48 or TXHCS48 available in 25m coils.



CCF 100 1

CCF 100 1 is a one piece PVC-u cove former combining a pvc capping seal.

CCF 100 1
Co-extruded PVC-u
with pvc capping

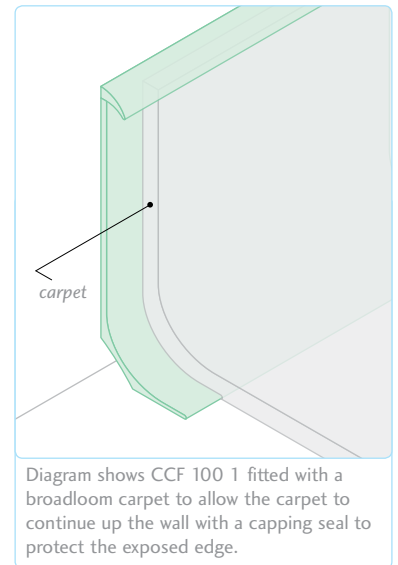
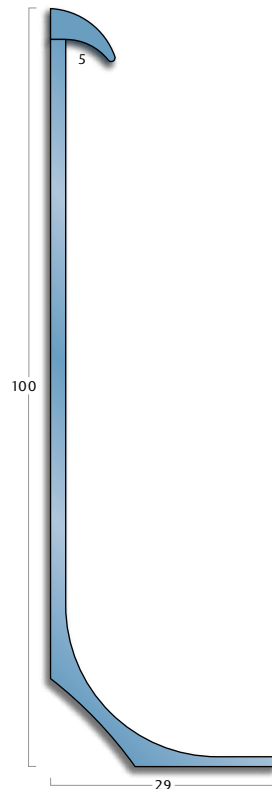


Diagram shows CCF 100 1 fitted with a broadloom carpet to allow the carpet to continue up the wall with a capping seal to protect the exposed edge.

colour availability

HCS48: Almond, Black, Bluebell, Brown, Dove, Evergreen, Glacier, Granite, Snowdrift, Stone.

MCS48: Doubleton, Platinum, Silver, Zinc.

TXHCS48: Atlantis, Aspen, Bluestone, Drystone, Helvellyn, Mars, Tundra.

PCS40 & PCS40A: Aegean, Almond, Black, Bluebell, Blueberry, Brown, Chilli, Dove, Evergreen, Glacier, Granite, Hickory, Honey, Lavender, Leaf, Mist, Snowdrift, Stone.

PCS40P: Black.

CCF1001: Almond, Dove, Glacier, Snowdrift.

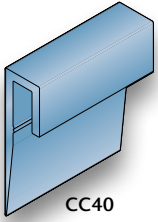
For a quick colour reference guide use the back cover foldout. For full details on Colour Availability see pages 92 to 93.

Profiles: Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.



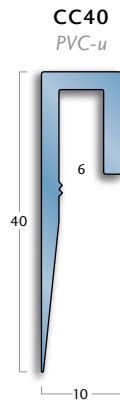
Design Service
see page 171.

carpet caps

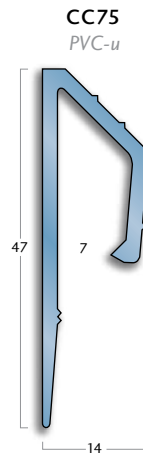


CC40

Carpet caps are used to provide a neat finish where carpet or carpet tile is continued up the wall. Available in choice of PVC-u, PVC-u Metallic and Aluminium. Carpet caps can be combined with a cove former where required to help form a cove.



CC40
PVC-u



CC75
PVC-u

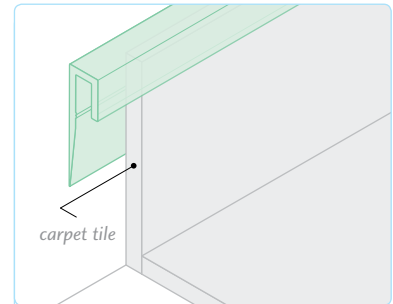
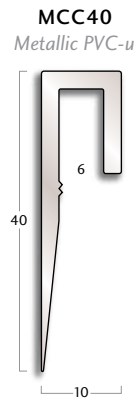
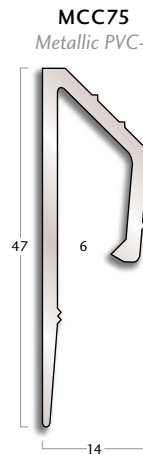


Diagram shows CC40 with a carpet tile.



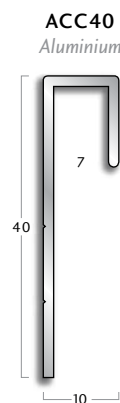
MCC40
Metallic PVC-u



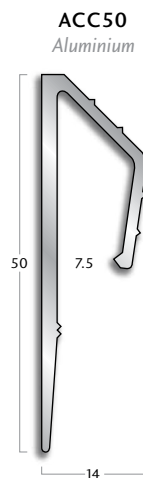
MCC75
Metallic PVC-u



Design Service
see page 171.



ACC40
Aluminium



ACC50
Aluminium

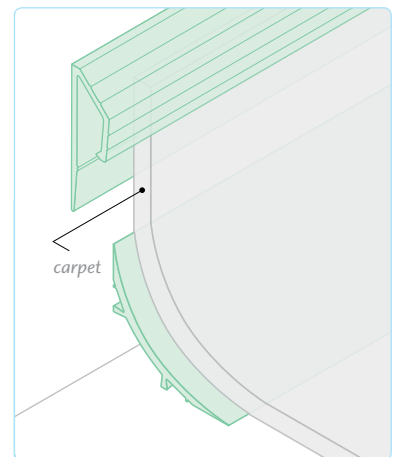


Diagram shows ACC50 and CF38 cove former used with a broadloom carpet.

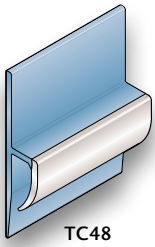
colour availability

CC40 & CC75: Black, Bluebell, Brown, Dove, Granite, Snowdrift.
MCC40 & MCC75: Doubleon, Silver, Zinc.

For a quick colour reference guide use the back cover foldout.
For full details on Colour Availability see pages 92 to 93.

Profiles: Dimensions shown are nominal. Illustrations are full size in mm.
Products subject to minor design alterations without notice.

tile caps



TC48

Tile caps are used where ceramic wall tiles are finished against a resilient floor finish that has been dressed up the wall to form a skirting.

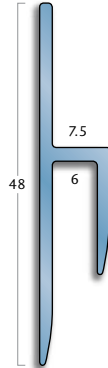
colour availability

TC47: Snowdrift.

TC48: Black, Burnt Almond, Doubloon, Platinum, Silver, Snowdrift, Zinc.

For a quick colour reference guide use the back cover foldout.
For full details on Colour Availability see pages 92 to 93.

TC47
PVC-u



TC48
Co-extruded PVC-u
with pvc cap

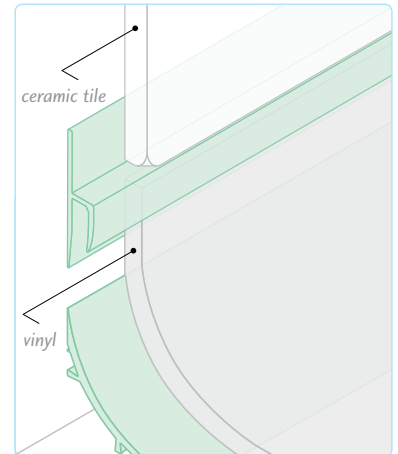
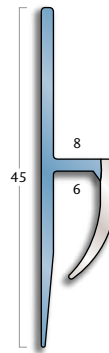
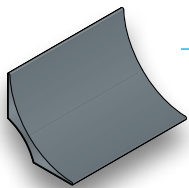


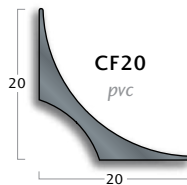
Diagram shows TC48 and CF38 cove former used with vinyl and ceramic tile.



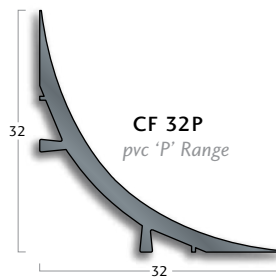
CF20

Cove formers are used to form a cove where floorcoverings are continued up the wall. Cove formers are usually used in conjunction with a capping seal or carpet cap to finish the raw edge of the floorcovering (see page 91).

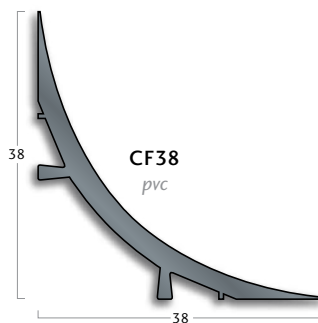
cove formers



CF20
pvc



CF 32P
pvc 'P' Range



CF38
pvc

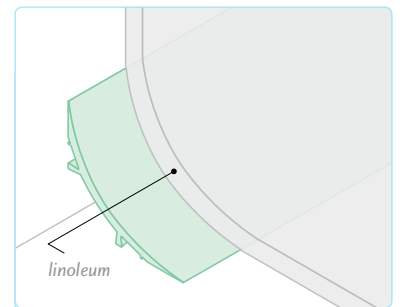


Diagram shows CF38 cove former being used to form a cove for linoleum to continue up the wall.

colour availability

CF: Black.

For a quick colour reference guide use the back cover foldout.
For full details on Colour Availability see pages 92 to 93.

Profiles: Dimensions shown are nominal. Illustrations are full size in mm.
Products subject to minor design alterations without notice.



wall protection systems

description

Gradus Wall Protection offers a wide range of profiles for walls, corners and doors that protect against everyday damage caused by the general flow of pedestrian and wheeled traffic.

Ideal for all contract applications, wall protection is proven to reduce ongoing maintenance and repair costs, increase the life cycle of the building and improve the overall appearance of the interior environment.

Handrails, Combi-rails & Dual Rail



Wall Guards & Wall Strips



Corner Guards



Sanparrel PVC-u Sheet



profile availability

A selection of easy-to-install profiles commonly used in conjunction with flooring applications can be found on the opposite page.

Armaclad

- Can be used along the entire length of a wall or as a kickplate or pushplate

PVC-u Corner Guards

- Used to protect and highlight corners and columns
- Flexible option ideal for irregular angle corners

Stainless Steel Corner Guards

- Used to protect and highlight corners and columns
- Ideal for areas where hygiene is a priority, such as kitchens and laboratories

finishes / environment

Armaclad and PVC-u corner guards suitable for interior use only.



- Armaclad and the 90° and 135° PVC-u corner guards - available in 38 standard colours and 4 bright colours. Many profiles are available ex-stock on the Gradus InPro Rapid Response programme in a choice of 10 colours
- Flexi-Angle corner guard – available in the 10 Rapid Response colours only
- Through-coloured and textured to conceal the effects of impact and abrasion
- Fire Rated and resistant to chemicals, bacteria and fungus

Stainless steel corner guards suitable for both interior and exterior use.

installation

Full installation instructions are available from Technical Services.

Request a copy of the Gradus Wall Protection Systems brochure for details on the complete range










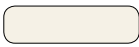
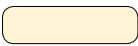
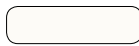
armaclad



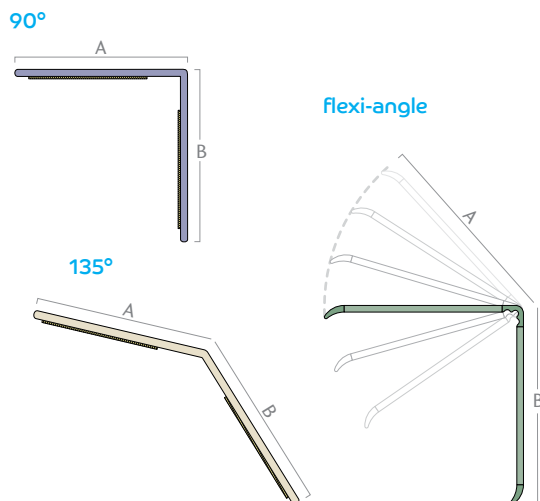
Armaclad		
Code	Description	
ARM150T	3.5mm (d) x 150mm (h)	With Tape
ARM200T	3.5mm (d) x 200mm (h)	
ARM150N	3.5mm (d) x 150mm (h)	Without Tape
ARM200N	3.5mm (d) x 200mm (h)	

Supplied in 3.66m lengths.

RR* rapid response colours

 Admiral 165 6020-R80B	 Mauve 144 3020-Y80R	 Pewter 107 6005-R80B	 Lupin 132 3030-R90B
 Willow 187 4010-B90G	 Dolphin 106 3502-G	 Daybreak 115 3010-Y50R	 Muslin 103 1005-Y10R
 Chamomile 232 1020-Y10R	 Arctic 101 1002-B	NCS colour references Gradus is a member of NCS (Natural Colour System) and utilises the NCS reference codes shown below each colour (see page 92 for more details on NCS).	

PVC-u corner guards RR*



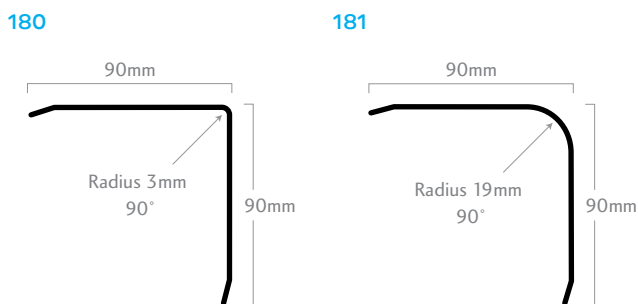
Wing Size A x B	Angle	Code** (with tape)				
		0.90m	1.22m	Height 2.44m	2.74m	3.66m
22 x 22mm	90°	3435	3448	3496	3409	3412
40 x 40mm	90°	11235	11248	11296	11209	11212
50 x 50mm	90°	2235	2248	2296	2209	2212
60 x 60mm	90°	2535	2548	2596	2509	2512
78 x 78mm	90°	3335	3348	3396	3309	3312
40 x 40mm	135°	235135	248135	296135	209135	212135
78 x 78mm	135°	335135	348135	396135	309135	312135
60 x 60mm	Flexible	6035	6048	6096	6009	6012

* with tape only

**Note: Add suffix N to code for orders WITHOUT tape e.g. 11248N.

section 4

stainless steel corner guards



Code	Wing Size	Angle	Radius	Height
1804HOLE	90mm	90°	R 3mm	1.22m
1804CMT	90mm	90°	R 3mm	1.22m
1808HOLE	90mm	90°	R 3mm	2.44m
1808CMT	90mm	90°	R 3mm	2.44m
181 HOLE	90mm	90°	R 19mm	1.22m
181CMT	90mm	90°	R 19mm	1.22m
Thickness	1.5mm 304 Grade			
Finish	Satin			
Material	304 Grade			
Fixing	Can be supplied with pre-drilled counter sunk holes for screw-fixing (Code: HOLE) or without holes for adhesive fixing (Code: CMT)			

Profiles: Illustrations are to scale but not actual size.
Products subject to minor design alterations without notice.

Special heights and sizes of corner guards are available on request.



5 section



transition strips

Information to ensure the correct selection of transition strips along with details of colour availability. Details of all Gradus Clip-Top, carpet trims and profiles for ceramics can be found in this section.

	Page
transition strips	
Guide to Transition Strips	116 - 117
Colour Availability	118
Colour Availability Chart	119
clip-top	120 - 125
clip-top fx	126 - 127
MTS multi-trim system	128 - 131
PPS & euro-clip systems	132 - 135
trans-edge carpet trims	136 - 137
cable ducts cable management systems	138 - 139
matwell frames & ramping frames	140 - 141
specialist floor trim solutions	142
Heavy Duty Ramp	143
Cover Strips	143
Expansion Joint Covers	144
Nap Trims	145
Carpet Tile Edge	146
Feather Edge	146, 154
Carpet Trims	147
Feature Strips	147, 153
Multi-purpose Transition Profiles	148, 152
Joining Transition Strips	149
Ramping Transition Strips	150 - 151
Aluminium Floor Repair Trim	152
Ramp Edge	154
Dual Trim	154
Construction Joint Covers	155
Bevelled Underlay	155

guide to transition strips

safety

Transition strips reduce the risk of accidents for pedestrian traffic by providing a safe link between floorcoverings. A transition strip can also provide a safe joint where wheeled traffic is expected and ensures that trolleys can move freely between different types and heights of floorcovering, reducing the risk of trolleys tipping over.

change in heights Changes in the height and type of floorcovering can be bridged using transition strips with integrated slip resistant properties that help prevent tripping hazards and trolley accidents.

worn edges

Investment in transition strips protects floorcovering joints from accelerated wear which can result in trip hazards at doorways etc.

performance

The building, volume and type of traffic will determine the correct transition strip from which to make a selection.

clip-top a two-part (three in Bronze) transition system ideal for use in heavy pedestrian and medium trolley traffic applications.

clip-top fx a two-part transition system ideal for use in medium pedestrian and light trolley traffic applications that can be formed to shape on-site.

MTS multi-trim system a two-part transition system ideal for use in light pedestrian traffic applications.

PPS & euro-clip a two-part transition system ideal for use in light pedestrian traffic applications.

trans-edge an aluminium transition strip ideal for use in severe pedestrian and heavy trolley traffic applications.

cable ducts transition strips incorporating a recess to accommodate cables. Suitable for use in light pedestrian and light trolley traffic applications. Surface mounted cable ducts suitable for foot traffic only.

specialist floor trims various trimming strips for use in many different applications.

traffic

severe - railway stations, airports, transport interchanges.

heavy - department stores, some retail high street shops, hospitals.

medium - retail high street shops, schools, hotels, some offices.

light - offices

environment

Suitable for internal use

aesthetics

Transition strips are available in a wide choice of shapes and colours to suit many different applications. Transition strips can be selected to either blend with the surrounding floorcoverings or act as a highlight to help determine walkways and other circulation areas.

clip-top available in a choice of co-extruded PVC-u or metallic PVC-u. also available in a bronze finish.

clip-top fx available in co-extruded PVC-u.

MTS multi-trim system aluminium top available in choice of 2 gold, 2 silver and 6 wood-effect finishes.

PPS & euro-clip aluminium top available in choice of 1 gold and 6 wood-effect finishes.

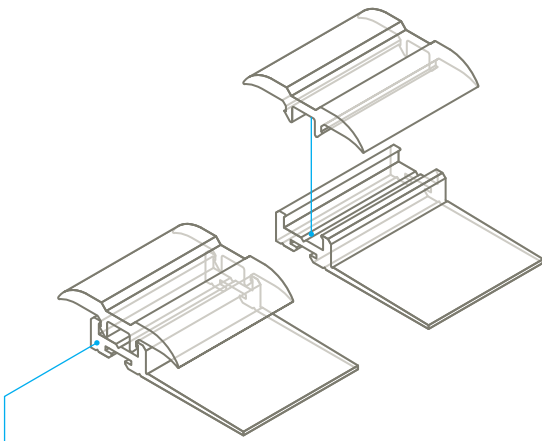
trans-edge aluminium transition strip with a choice of 22 pvc Interior insert colours (Elite).

cable ducts available in a choice of PVC-u and pvc finishes.

specialist floor trims various trimming strips available in pvc, PVC-u and various metal finishes for use in many different applications.

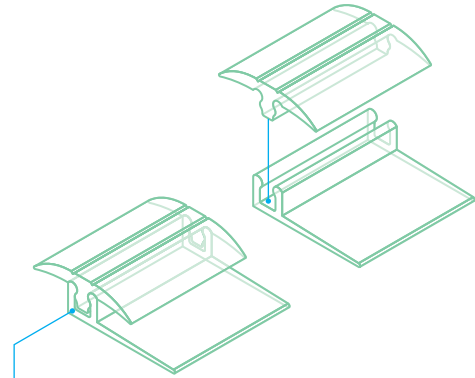
type of floorcovering

Carpet	Ceramic
Marble	Wood
Vinyl	Resin
Terrazzo	Linoleum



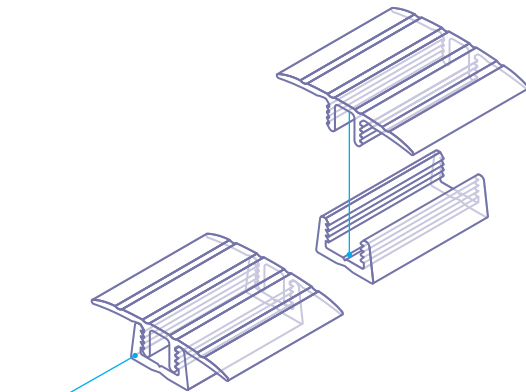
clip-top

Product Availability	Page
Bronze	121 - 122
Metallic PVC-u	122
PVC-u	123 - 125



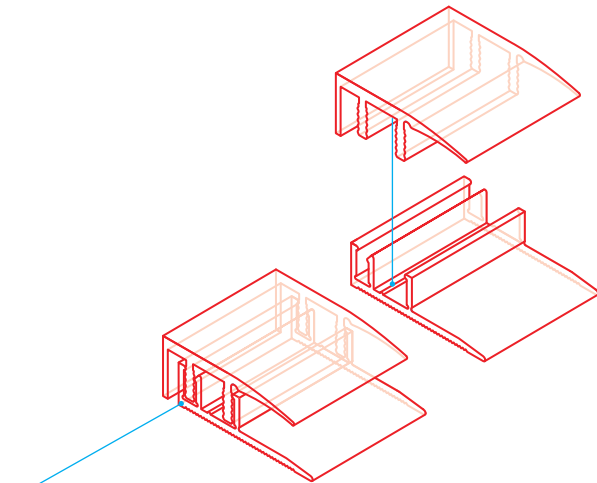
clip-top fx

Product Availability	Page
PVC-u	127



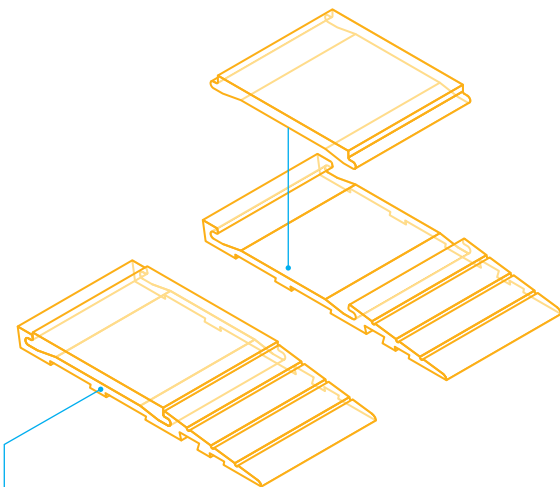
MTS multi-trim system

Product Availability	Page
Aluminium with gold, silver or wood-effect finishes	129 - 131



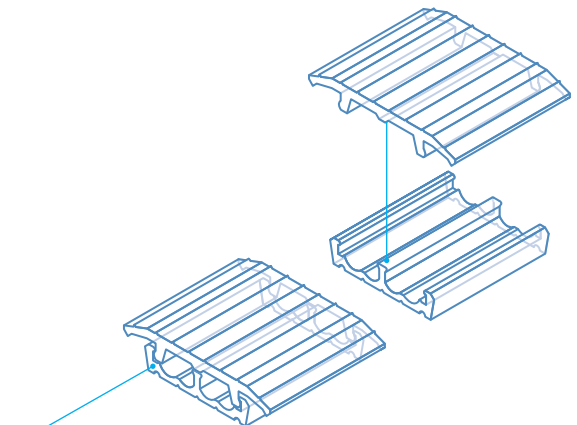
PPS & euro-clip

Product Availability	Page
PPS - Aluminium with gold finish	133 - 135
Euro-Clip - Aluminium with wood-effect finishes	133 - 135



trans-edge

Product Availability	Page
Aluminium with pvc insert	137

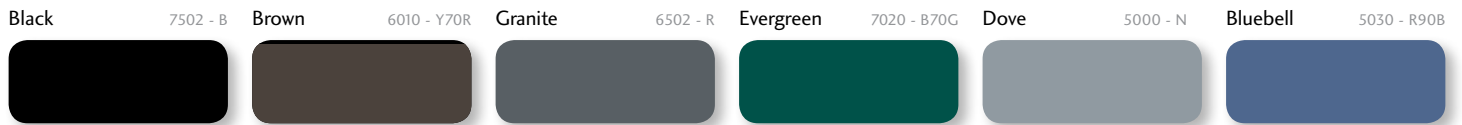


cable ducts

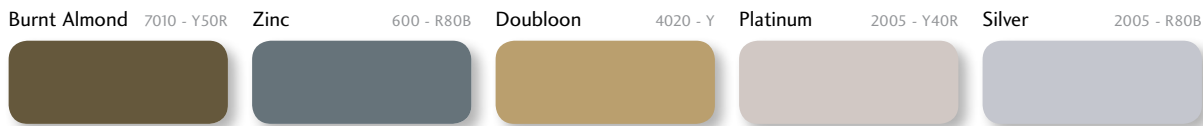
Product Availability	Page
PVC-u and pvc	139

colour availability - transition strips

standard



metallics



textura



NCS colour references



Gradus is a member of NCS (Natural Colour System) and utilises the NCS reference codes shown above each colour. NCS is a user friendly colour language and is the only colour system that describes colour exactly as we see it. NCS is used by professionals as a tool for precise colour communication, selection and specification. For further information visit the NCS website - www.ncscolour.co.uk

©Property of and used under licence from the Scandinavian Colour Institute AB, SCI-Sweden se, Stockholm 2004.
See www.ncscolour.co.uk for NCS-standard samples.

metals



MTS multi-trim system

Metal Finishes

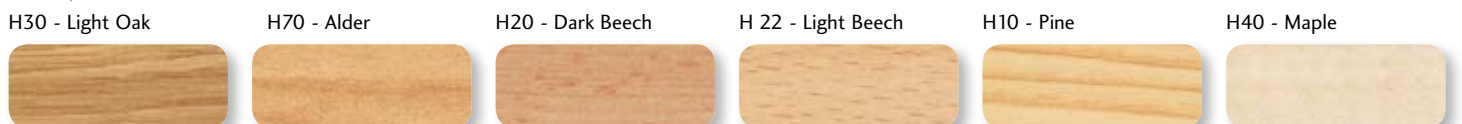


Wood-Effect Finishes



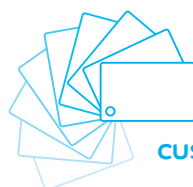
PPS & euro-clip

Euro-Clip Finish



PPS Finish

Gold (matt)



for samples
contact
customer support on **01625 428922**

colour availability chart

The table below can be used to show colour availability of various profiles from stock. Non-standard colours are also available and special colours can be matched upon request subject to minimum quantity and lead time. For further information contact Customer Support.

For colour and stock availability of CP, SJ, SP and ZR profiles see individual product pages.

Key: ▲ Available from Stock

		Clip-Top PVC-u + Clip-Top fx + GT61R	Clip-Top Metallic PVC-u + GT61M	MTS multi-trim system	PPS system	Euro-Clip system	Cable Ducts + DT30 + PCR + PET + T + EJC	TH	GT61T	BU + APB	Matwell Frames + AR + TA + AVR + CC + ACS + ACT + ANT + TR	Clip-Top Bronze + BCT + TR + Matwell Frame	SCSP + SC5M	FC116
Metals	Aluminium									▲				
	Bronze										▲			
	Stainless Steel											▲		
Standard	Brown	▲				▲								▲
	Dove	▲				▲								▲
	Granite	▲				▲								▲
	Black	▲				▲			▲					▲
	Bluebell	▲												▲
	Evergreen	▲												▲
	Metallics	Burnt Almond		▲										
Doublon			▲				▲							
Silver			▲				▲							
Platinum			▲				▲							
Zinc			▲				▲							
Textura	Tundra							▲						
	Bluestone							▲						
	Drystone							▲						
	Aspen							▲						
	Atlantis							▲						
	Mars							▲						
	Helvellyn							▲						
MTS multi-trim system	Polished Gold/Silver		▲											
	Etched Gold/Silver		▲											
	Beech		▲											
	Light Oak		▲											
	Dark Oak		▲											
	Maple		▲											
	Cherry		▲											
	Mahogany		▲											
PPS & Euro-Clip	Gold (matt)			▲										
	H30 - Light Oak				▲									
	H70 - Alder				▲									
	H20 - Dark Beech				▲									
	H22 - Light Beech				▲									
	H10 - Pine				▲									
	H40 - Maple				▲									



clip-top™

the ultimate in transition strips

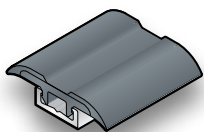
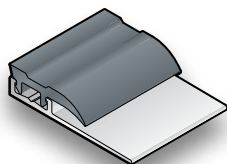
description

Clip-Top is a two-piece (three in Bronze) product allowing design flexibility in all commercial situations. Tops are either PVC-u with co-extruded pvc ribs or bronze. The tops can be replaced so that the colour can be altered as part of a refurbishment programme, or if a worn or damaged section needs to be changed, without renewing the base or disrupting the fitted floorcovering. A number of PVC-u/metallic PVC-u tops and aluminium bases can be fabricated to a radius shape, subject to approval of template or detailed drawing (showing radius details) by the Technical Department.

which clip-top?

Single Top

Used to join carpet to ceramic, terrazzo, wood and other hard floorcoverings

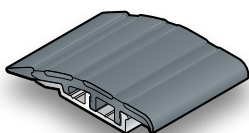


Twin Top

Used to join floorcoverings of the same height

Ramp Top

Used to join floorcoverings of different heights



profile availability

Gauge of profiles to suit most floorcoverings.

- When using Clip-Top with carpet, the compressed thickness of the carpet should always be a tight fit to the internal gauge of the combined top/base profile
- In some instances latex screed or bevelled underlay can be used to build up the gauge of the floorcovering (see page 155)
- Clip-Top bases should always be fitted on top of the resilient floorcoverings when used in a ramp configuration
- Details of minimum and maximum curving radii can be found on page 125

finishes / environment

Suitable for interior use.

- Choice of materials and colours to suit different interior design schemes

installation

Installation guidelines can be found on page 164.

- Examples of typical installations using Clip-Top are shown on the following pages

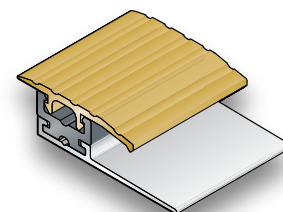
services

- Technical Services
- Samples
- Profiles can be fabricated
- Design Service

bronze range

For guidance on the correct selection of transition strips see pages 116 to 117.

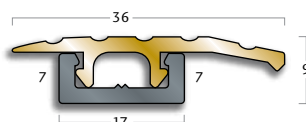
Tops	Polished manganese bronze
Bases	PVC-u and PVC-u / aluminium combinations
Application	Prestigious locations
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.



BFT36/FTB20/AFTB43

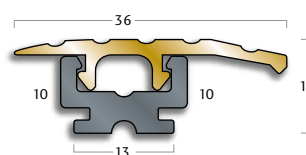
single top

BFT36/FTB16



Provides transition between:
Hard flooring, carpet and carpet tile.

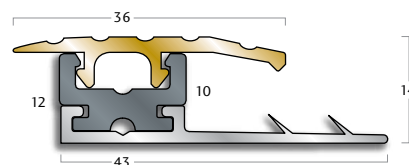
BFT36/FTB20



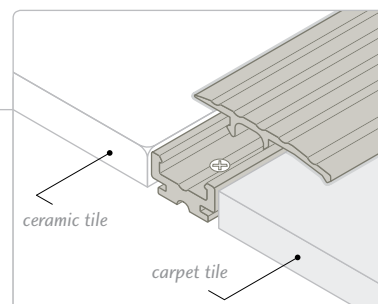
Provides transition between:
Hard flooring, carpet and carpet tile.

BFT36/FTB20/AFTB43

available with or without carpet gripper



Provides transition between:
Hard flooring and traditional carpet with underlay.



ceramic tile

carpet tile

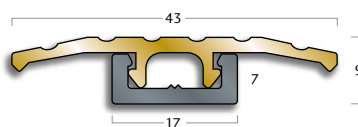
Typical example: BFT36/FTB20
ceramic tile to carpet tile.



Design Service
see page 171.

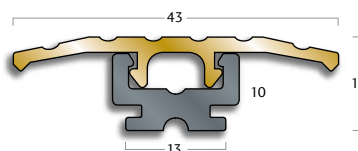
twin top

BFT43/FTB16



Provides transition between:
Carpet and carpet tile.

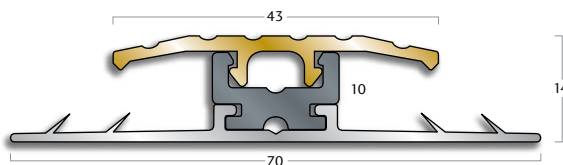
BFT43/FTB20



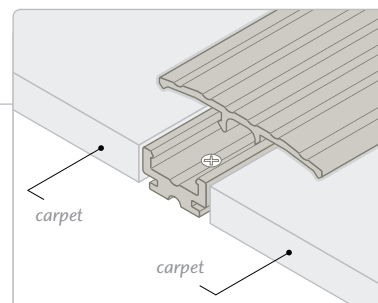
Provides transition between:
Carpet and carpet tile.

BFT43/FTB20/DFTB70

available with or without carpet gripper



Provides transition between:
Carpet, carpet tile and
traditional carpet with underlay.



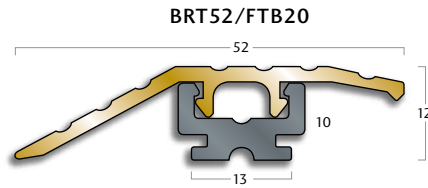
carpet

carpet

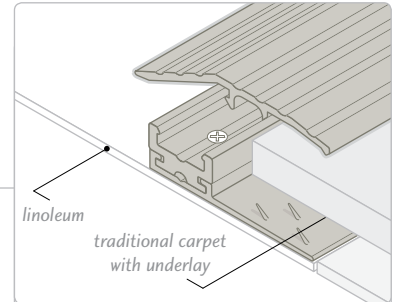
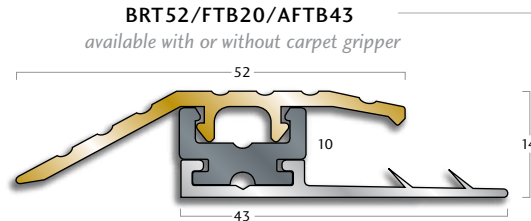
Typical example: BFT43/FTB20
carpet to carpet.

ramped top

Provides transition between:
Resilient floorcoverings, carpet
and carpet tile.



Provides transition between:
Resilient floorcoverings and
traditional carpet with underlay.

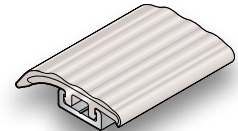


Typical example: BRT52/FTB20/AFTB43 linoleum to traditional carpet with underlay. Note: AFTB43 fitted on top of the linoleum.

metallic PVC-u range

For guidance on the correct selection of transition strips see pages 116 to 117.

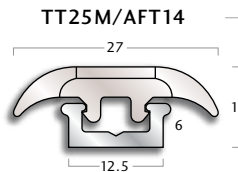
Tops	Metallic PVC-u
Bases	Aluminium
Application	Retail high street shops, schools, hotels, some offices
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.



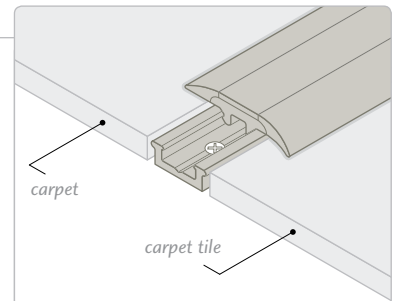
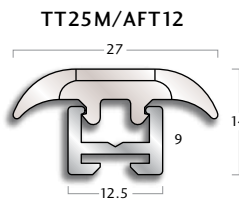
RT35M/AFT13

twin top

Provides transition between:
Hard flooring, carpet and carpet tile.



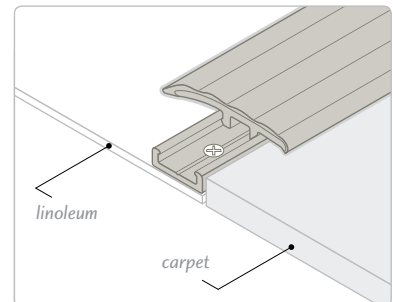
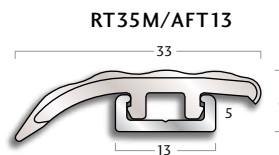
Provides transition between:
Hard flooring, carpet and carpet tile.



Typical example: TT25M/AFT14 carpet to carpet tile.

ramped top

Provides transition between:
Resilient floorcoverings, carpet and carpet tile.



Typical example: RT35M/AFT13 linoleum to carpet. Note: AFT13 fitted on top of the linoleum.

colour availability

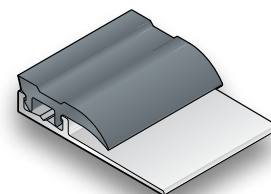
Metallic PVC-u: Burnt Almond, Doubloon, Platinum, Silver, Zinc.

For a quick colour reference guide use the back cover foldout.
For full details on Colour Availability see pages 118 to 119.

PVC-u range

For guidance on the correct selection of transition strips see pages 116 to 117.

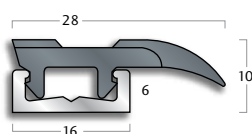
Tops	PVC-u
Bases	Aluminium
Application	Department stores, some retail high street shops, hospitals
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.



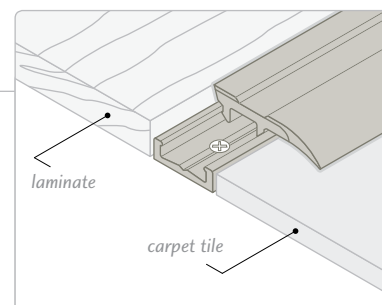
FT19/AFT45

single top

FT19/AFT15



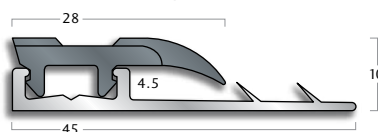
Provides transition between:
Hard flooring, carpet and carpet tile.



Typical example: FT19/AFT15 laminate to carpet tile.

FT19/AFT45

available with or without carpet gripper

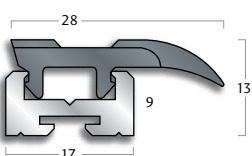


Provides transition between:
Hard flooring, carpet, carpet tile and traditional carpet with underlay.



Design Service
see page 171.

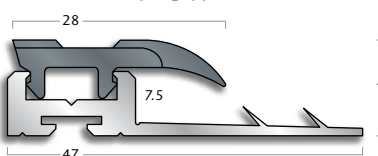
FT19/AFT17



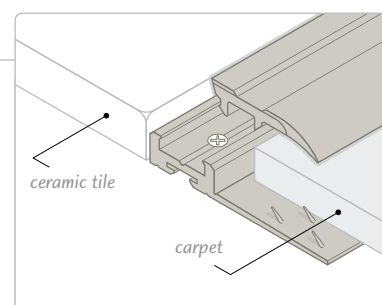
Provides transition between:
Hard flooring, carpet and carpet tile.

FT19/AFT

available with or without carpet gripper



Provides transition between:
Hard flooring, carpet, carpet tile and traditional carpet with underlay.



Typical example: FT19/AFT ceramic tile to carpet.

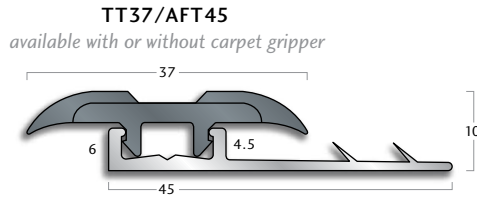
colour availability

PVC-u: Black, Bluebell, Brown, Dove, Evergreen, Granite.

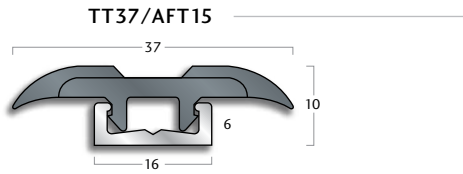
For a quick colour reference guide use the back cover foldout.
For full details on Colour Availability see pages 118 to 119.

twin top

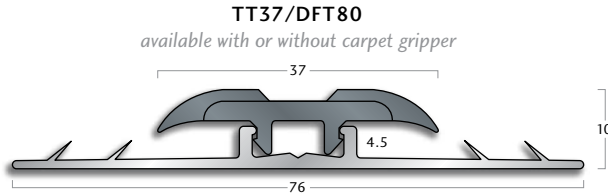
Provides transition between:
Hard flooring, carpet, carpet tile and
traditional carpet with underlay.
AFT45 base not available curved.



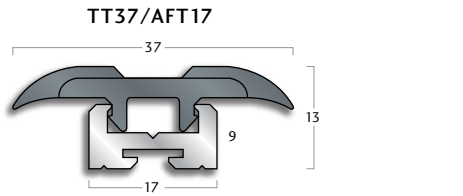
Provides transition between:
Hard flooring, carpet and carpet tile.



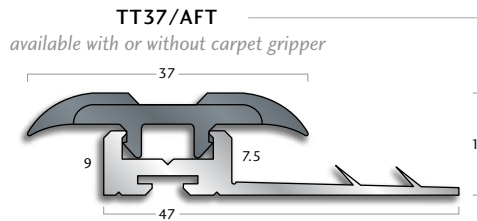
Provides transition between:
Hard flooring, carpet, carpet tile and
traditional carpet with underlay.
DFT80 base not available curved.



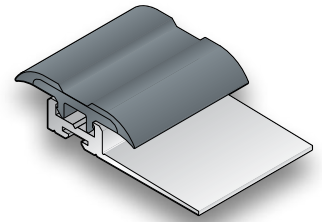
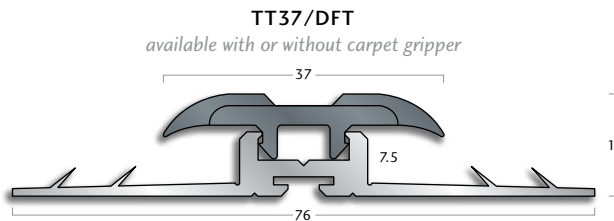
Provides transition between:
Hard flooring, carpet and carpet tile.



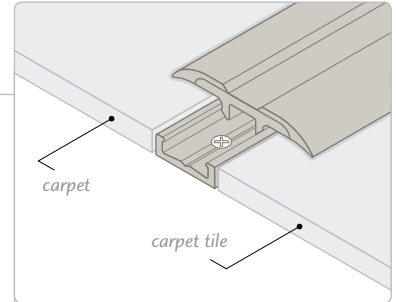
Provides transition between:
Hard flooring, carpet, carpet tile and
traditional carpet with underlay.
AFT base not available curved.



Provides transition between:
Hard flooring, carpet, carpet tile and
traditional carpet with underlay.
DFT base not available curved.



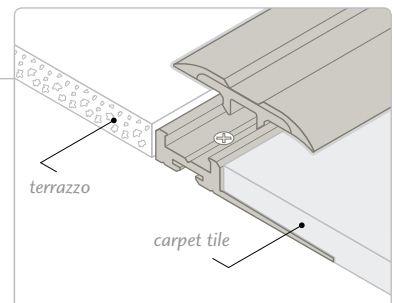
TT37/AFT



Typical example: TT37/AFT15
carpet to carpet tile.



Design Service
see page 171.



Typical example: TT37/AFT terrazzo to
carpet tile. Note: shown without carpet
gripper when used with carpet tile.

colour availability

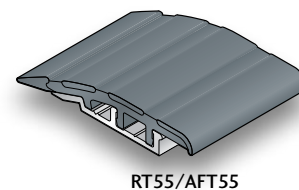
PVC-u: Black, Bluebell, Brown, Dove, Evergreen, Granite.

For a quick colour reference guide use the back cover foldout.
For full details on Colour Availability see pages 118 to 119.

PVC-u range

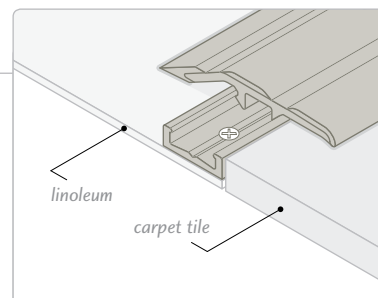
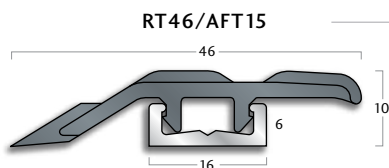
For guidance on the correct selection of transition strips see pages 116 to 117.

Tops	PVC-u
Bases	Aluminium
Application	Department stores, some retail high street shops, hospitals
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.



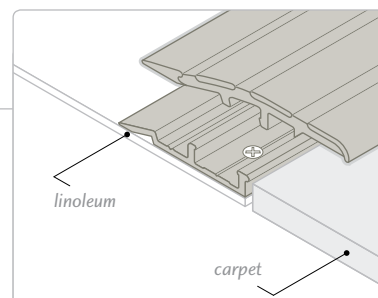
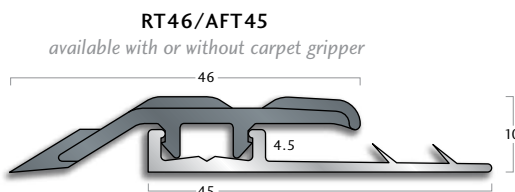
ramped top

Provides transition between:
Resilient floorcoverings, carpet
and carpet tile.



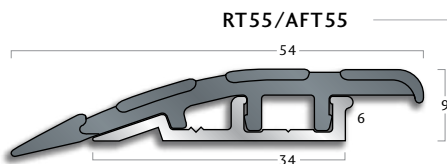
Typical example: RT46/AFT15 linoleum to carpet tile. Note: AFT15 fitted on top of the linoleum.

Provides transition between:
Resilient floorcoverings, carpet,
carpet tile and traditional carpet
with underlay.

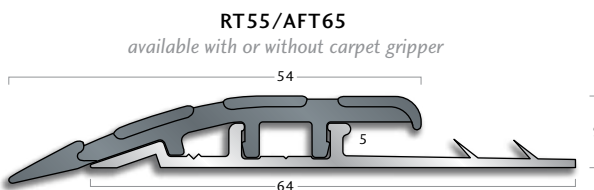


Typical example: RT55/AFT55 linoleum to carpet. Note: AFT55 fitted on top of the linoleum.

Provides transition between:
Resilient floorcoverings, carpet
and carpet tile.



Provides transition between:
Resilient floorcoverings, carpet,
carpet tile and traditional carpet
with underlay.



section 5

curving clip-top

Anything below the minimum radius cannot be curved. Curves greater than the maximum radius can be curved on-site or by Gradus on request. Tops and bases not listed below cannot be curved.

tops		
Profile	Min. Radius mm	Max. Radius mm
FT19	250	800
RT35M	1000	3500
RT46	1000	3500
RT55	600	3500
TT25M	500	800
TT37	250	800

bases		
Profile	Min. Radius mm	Max. Radius mm
AFT12	250	6000
AFT13	250	6000
AFT14	250	6000
AFT15	250	6000
AFT17	250	7000
AFT55	600	9000





clip-top fx™

creating curves on site

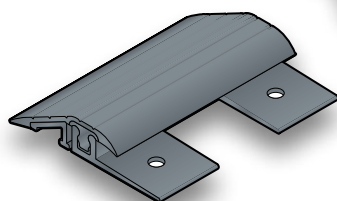
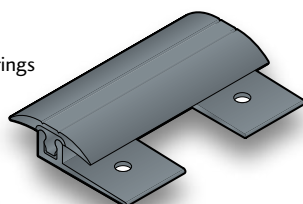
Peter Cook/View.

description

Clip-Top *fx* is a two-piece product allowing design flexibility in most commercial situations. The product can be easily formed on-site without the need for heat application, reducing the requirement for pre-fabricated curves. Tops are co-extruded PVC-u and can be replaced so that the colour can be altered as part of a refurbishment programme, or if a worn or damaged section needs to be changed, without renewing the base or disrupting the fitted floorcovering. A choice of tops is available to accommodate different requirements. A choice of bases is also available. A rigid PVC-u base is supplied pre-punched with tabs and fixing holes to allow for the formation of curves whereas aluminium bases are available to be used for straight lengths.

which clip-top fx?

Twin Top
Used to join floorcoverings of the same height



Ramp Top
Used to join floorcoverings of different heights

profile availability

Gauge of profiles to suit most floorcoverings.

- When using Clip-Top *fx* with carpet, the compressed thickness of the carpet should always be a tight fit to the internal gauge of the combined top/base profile
- In some instances latex screed or bevelled underlay can be used to build up the gauge of the floorcovering (see page 155)
- Clip-Top *fx* bases should always be fitted on top of the resilient floorcoverings when used in a ramp configuration
- PVC-u bases supplied pre-punched to form curves. Latex screed should be used with resilient floorcoverings to prevent pre-punched base shadowing through. Aluminium bases should always be used on straight lengths
- Details of minimum curving radii are shown opposite

finishes / environment

Suitable for interior use.

- Choice of 6 colours to suit different interior design schemes

installation

Installation guidelines can be found on page 164.

- A typical installation using Clip-Top *fx* is shown opposite

services

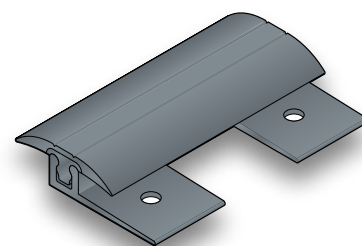
- **Technical Services**
- **Design Service**
- **Samples**

Clip-Top *fx*
European Community Design No 7067-0001 - 7067-0010

clip-top fx

For guidance on the correct selection of transition strips see pages 116 to 117.

Tops	PVC-u
Bases	PVC-u bases are punched with fixing tabs and holes Aluminium bases are unpunched
Application	Retail high street shops, schools, hotels, some offices
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

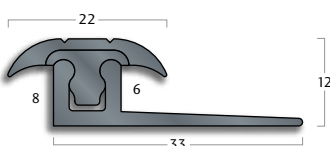


FXT31/FXB336

twin top

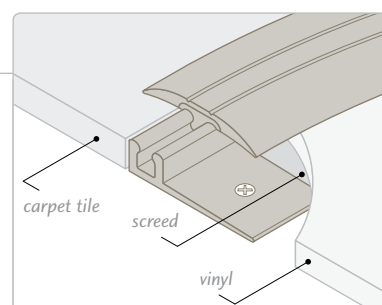
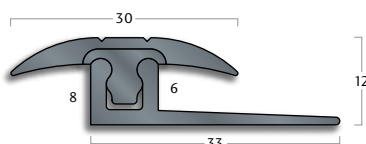
Provides transition between: Hard flooring, carpet and carpet tile. FXT21 shown with FXB336 PVC-u base pre-punched for forming curves. FXT21 can be used with all PVC-u and aluminium bases.

FXT21/FXB336



Provides transition between: Hard flooring, carpet and carpet tile. FXT31 shown with FXB336 PVC-u base pre-punched for forming curves. FXT31 can be used with all PVC-u and aluminium bases.

FXT31/FXB336

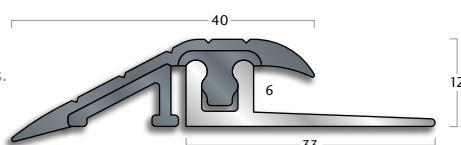


Typical example: FXT31/FXB336 carpet tile to vinyl. Note: screed is used to build up vinyl to suit height of base and prevent base shadowing through.

ramp top

Provides transition between: Resilient floorcoverings, carpet and carpet tile. FXR40 shown with AFT336 aluminium base for straights. FXR40 can be used with FXB336 and AFT336 bases.

FXR40/AFT336

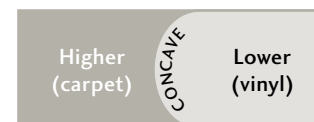


ON SITE CURVING	
Profile	Min. Radius mm
FXT21	400
FXT31	400
FXR40 Convex	400
FXR40 Concave	900

colour availability

PVC-u Tops: Black, Bluebell, Brown, Dove, Evergreen, Granite.

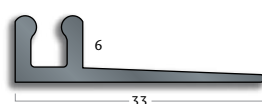
For a quick colour reference guide use the back cover foldout. For full details on Colour Availability see pages 118 to 119.



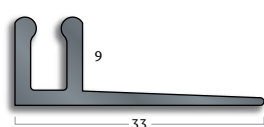
PVC-u base

Supplied pre-punched with fixing tabs and holes to form curves on-site. PVC-u bases suitable for use with FXT21 and FXT31. FXR40 only suitable for use with FXB336.

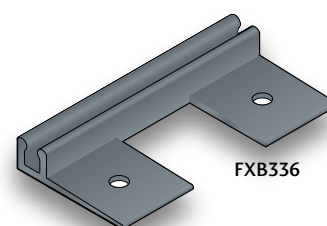
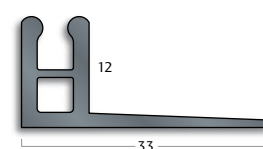
FXB336



FXB339



FXB3312

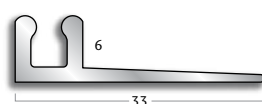


FXB336

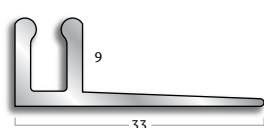
aluminium base

Supplied pre-drilled for straights. Aluminium bases suitable for use with FXT21 and FXT31. FXR40 only suitable for use with AFT336.

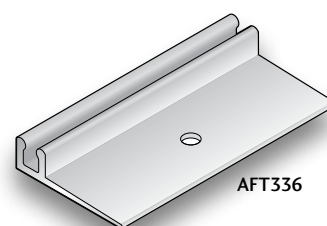
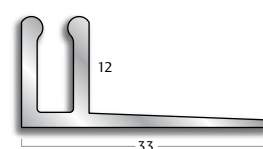
AFT336



AFT339



AFT3312



AFT336



MTS™ multi-trim system

versatile transition strips

Edmund Sumner/View.

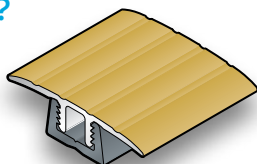
description

MTS multi-trim system is a versatile and simple solution for common interfaces between flooring materials. MTS is ideal for use with a variety of floorcoverings where expansion would be required, including wood, wood laminate, ceramics and terrazzo. Available in a choice of anodised metal or wood-effect finishes in a choice of profiles and heights, MTS offers a neat and attractive finish to commonly found junctions between flooring materials in domestic and light traffic commercial environments. MTS is available pre-packaged with full instructions and screw fixings and is simple to install.

which MTS profile?

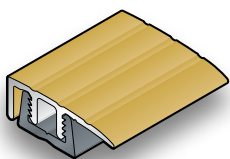
Twin Top

Used to join floorcoverings of the same height



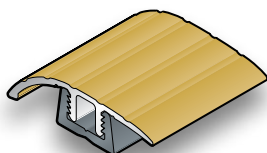
Border Top

Used to finish the edge of a floorcovering for example against a skirting



Ramp Top

Used to join floorcoverings of different heights



profile availability

Gauge of profiles suitable for ceramic, wood laminate, carpet and terrazzo.

- Profile designs include twin tops (ATT and WTT), border tops (ATB and WTB) and ramp tops (ATR and WTR)
- Choice of gauges to accommodate floorcovering thicknesses of 8mm to 16mm
- Tops and bases supplied pre-packed in lengths of 900mm and 2700mm

finishes / environment

Aluminium tops with anodised metal or wood-effect finishes.

- Suitable for interior use
- Metal finishes in Polished Gold, Etched Gold, Polished Silver and Etched Silver
- Wood-effect finish in Beech, Light Oak, Dark Oak, Maple, Cherry and Mahogany

installation

Installation guidelines can be found on page 164.

- Examples of typical installations using MTS are shown on the following pages
- When installed with ceramics, wood or wood laminate flooring a suitable gap must be left between the profile base and the flooring to allow for natural expansion
- Full instructions are supplied with the product

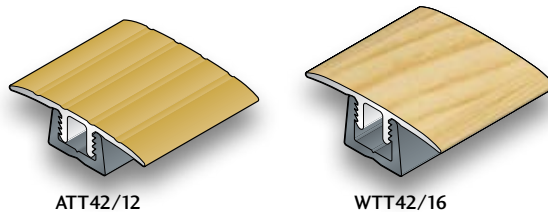
services

- Technical Services
- Samples

MTS

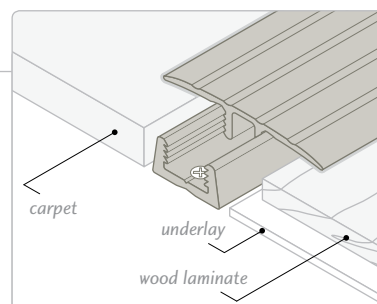
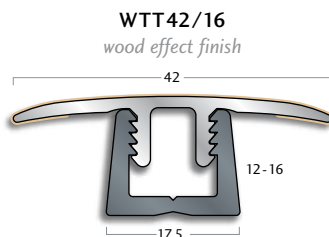
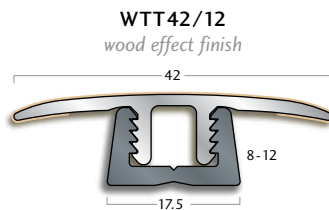
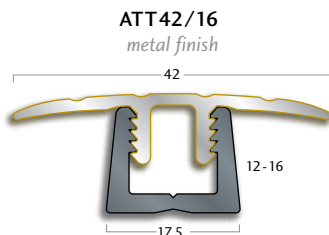
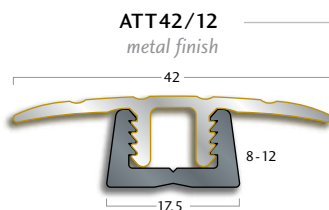
For guidance on the correct selection of transition strips see pages 116 to 117.

Tops	Aluminium with anodised metal or wood-effect finishes
Bases	PVC-u
Application	Domestic and light traffic commercial environments
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.



twin top

Provides a coordinating join and allows a safe transition between floorcoverings of the same height. Also protects the raw edge of floorcovering materials.



Typical example: ATT42/12 carpet to wood laminate. Note: shown with gap between profile base and wood laminate to allow for natural expansion.



colour availability

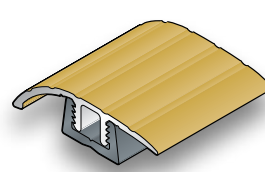
ATT: Polished Gold, Etched Gold, Polished Silver, Etched Silver.
WTT: Beech, Light Oak, Dark Oak, Maple, Cherry, Mahogany.

For a quick colour reference guide use the back cover foldout.
 For full details on Colour Availability see pages 118 to 119.

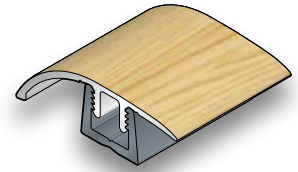
MTS

For guidance on the correct selection of transition strips see pages 116 to 117.

Tops	Aluminium with anodised metal or wood-effect finishes
Bases	PVC-u
Application	Domestic and light traffic commercial environments
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.



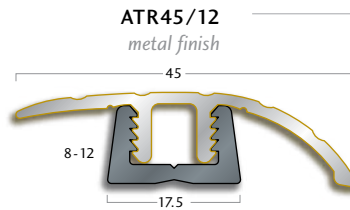
ATR45/12



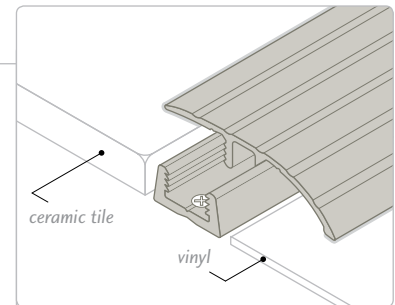
WTR50/16

ramp top

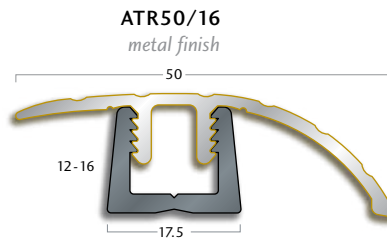
Protects the edge of wood flooring, wood laminate, ceramic tile, vinyl and carpet floorcoverings and provides a safe transition to adjacent lower surfaces.



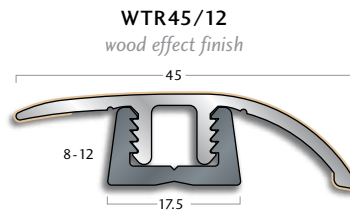
ATR45/12
metal finish



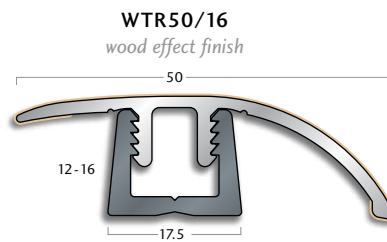
Typical example: ATR45/12 ceramic tile to vinyl.



ATR50/16
metal finish



WTR45/12
wood effect finish



WTR50/16
wood effect finish

colour availability

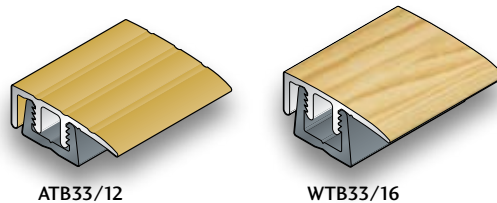
ATR: Polished Gold, Etched Gold, Polished Silver, Etched Silver.
WTR: Beech, Light Oak, Dark Oak, Maple, Cherry, Mahogany.

For a quick colour reference guide use the back cover foldout.
For full details on Colour Availability see pages 118 to 119.

MTS

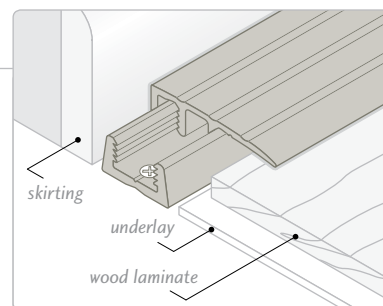
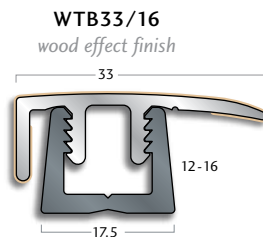
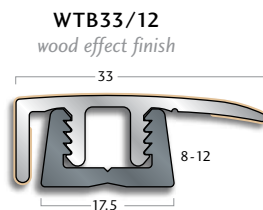
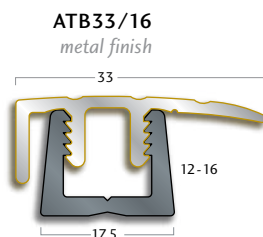
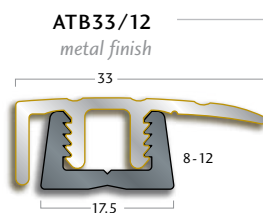
For guidance on the correct selection of transition strips see pages 116 to 117.

Tops	Aluminium with anodised metal or wood-effect finishes
Bases	PVC-u
Application	Domestic and light traffic commercial environments
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.



border top

Allows the neat finishing of flooring materials against skirting around the perimeter of a room. Also protects the raw edge of floorcovering materials.



Typical example: ATB33/12 wood laminate to skirting. Note: shown with gap between profile base and wood laminate to allow for natural expansion.

colour availability

ATB: Polished Gold, Etched Gold, Polished Silver, Etched Silver.
WTB: Beech, Light Oak, Dark Oak, Maple, Cherry, Mahogany.

For a quick colour reference guide use the back cover foldout.
 For full details on Colour Availability see pages 118 to 119.



PPS™ & euro-clip™

wood and wood laminate transition strips

Edmund Sumner/View.

description

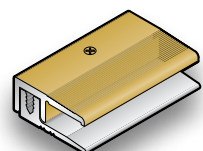
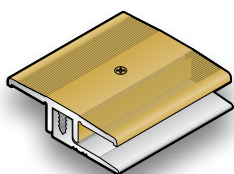
PPS comprises a range of two-piece gold-effect floor trims for domestic and light commercial use that allows safe transition for flooring such as wood, wood laminate and ceramic tiles. The PPS system utilises aluminium bases and tops with a unique patented linking screw which allows the height to be adjusted to suit most types of flooring.

Euro-Clip is a range of two-piece wood-effect floor trims for domestic and light commercial use that allows a coordinating, safe transition for flooring such as wood, wood laminate and ceramic tiles. The Euro-Clip system comprises aluminium bases and tops which are clipped into the bases to an adjustable height to suit the floorcoverings.

which profile?

Twin Top

Used to join floorcoverings of the same height

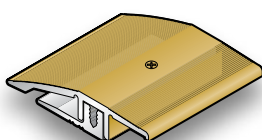


Ramp Top

Used to join floorcoverings of different heights

Border Top

Used to finish the edge of a floorcovering, for example, against a skirting.



profile availability

Gauge of profiles suitable for wood, wood laminate and ceramic.

- Profile designs include twin tops (KC), border tops (KB) and ramp tops (KA)
- Choice of gauges to accommodate thicknesses of 6mm to 16mm
- Tops and bases supplied pre-packed in lengths of 900mm and 2700mm

finishes / environment

Aluminium tops with gold or wood-effect finishes.

- Suitable for interior use
- PPS in Gold-effect finish (matt)
- Euro-Clip wood-effect finish in Pine, Dark Beech, Light Beech, Light Oak, Maple and Alder

installation

Installation guidelines can be found on page 164.

- Examples of typical installations using PPS and Euro-Clip are shown on the following pages
- When installed with wood or laminate flooring a suitable gap must be left between the profile base and the flooring to allow for natural expansion
- Full instructions are supplied with the product

services

- Technical Services
- Samples

“Original *Küberit*® System”

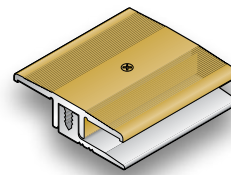
Patented DT - Pat 3743 895
EP - Pat 0321 634

US - Pat 4893 449
DE - GESCHM M9208492.2

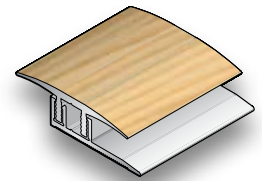
PPS & euro-clip

For guidance on the correct selection of transition strips see pages 116 to 117.

Tops	Aluminium with gold-effect or wood-effect finishes
Bases	Aluminium
Application	Domestic and light traffic commercial environments
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.



KC 388 L
PPS

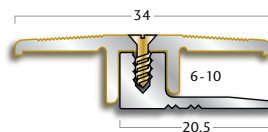


KC 588 LH
Euro-Clip

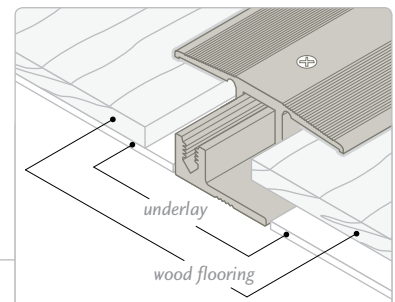
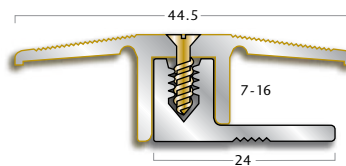
twin top

Provides a coordinating join and allows a safe transition between floorcoverings of the same height. Also protects the raw edge of floorcovering materials.

KC 388 L PPS

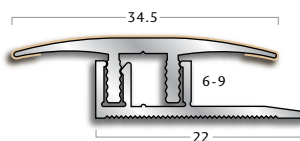


KC 388 PPS

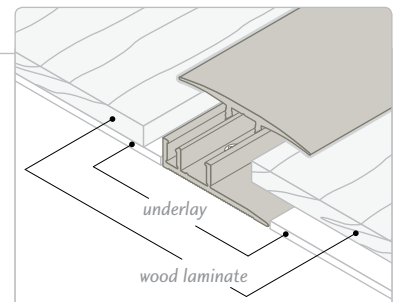
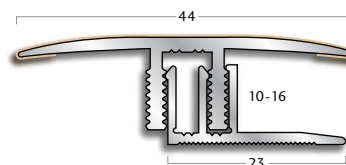


Typical example: KC388 wood flooring to wood flooring. Note: shown with gap between profile base and wood flooring to allow for natural expansion.

KC 588 LH Euro-Clip



KC 588 H Euro-Clip



Typical example: KC588LH wood laminate to wood laminate. Note: shown with gap between profile base and wood laminate to allow for natural expansion.

colour availability

PPS: Gold (matt).

Euro-Clip: H10 Pine, H20 Dark Beech, H22 Light Beech, H30 Light Oak, H40 Maple, H70 Alder.

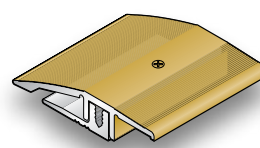
For a quick colour reference guide use the back cover foldout.

For full details on Colour Availability see pages 118 to 119.

PPS & euro-clip

For guidance on the correct selection of transition strips see pages 116 to 117.

Tops	Aluminium with gold-effect or wood-effect finishes
Bases	Aluminium
Application	Domestic and light traffic commercial environments
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.



KA 386 L
PPS

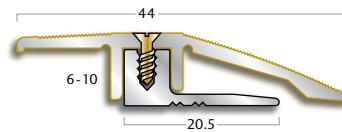


KA 586 LH
Euro-Clip

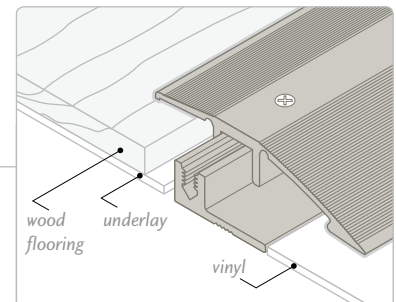
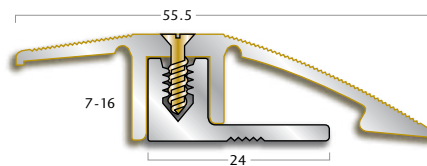
ramp top

Protects the edge of wood flooring, wood laminate, ceramic tile and carpet floorcoverings and provides a safe transition to adjacent lower surfaces.

KA 386 L PPS

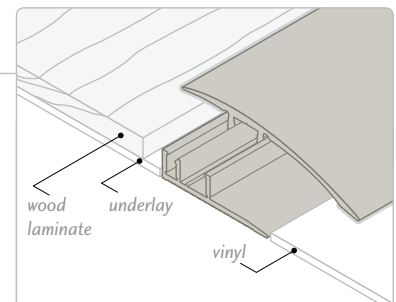
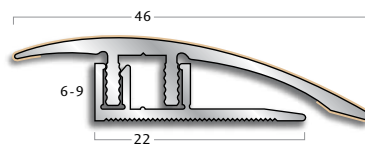


KA 386 PPS



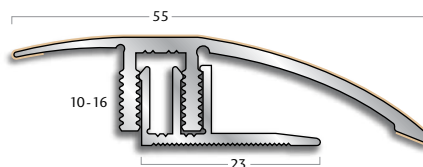
Typical example: KA386 wood flooring to vinyl. Note: shown with gap between profile base and wood flooring to allow for natural expansion.

KA 586 LH Euro-Clip



Typical example: KA586LH wood laminate to vinyl. Note: shown with gap between profile base and wood laminate to allow for natural expansion.

KA 586 H Euro-Clip



colour availability

PPS: Gold (matt).

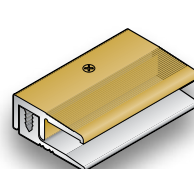
Euro-Clip: H10 Pine, H20 Dark Beech, H22 Light Beech, H30 Light Oak, H40 Maple, H70 Alder.

For a quick colour reference guide use the back cover foldout.
For full details on Colour Availability see pages 118 to 119.

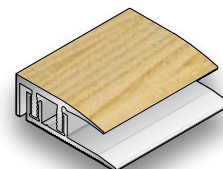
PPS & euro-clip

For guidance on the correct selection of transition strips see pages 116 to 117.

Tops	Aluminium with gold-effect or wood-effect finishes
Bases	Aluminium
Application	Domestic and light traffic commercial environments
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.



KB 387 L
PPS

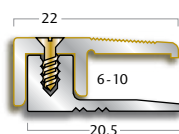


KB 587 LH
Euro-Clip

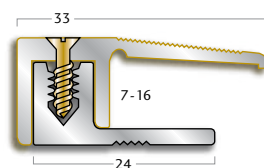
border top

Allows the neat finishing of flooring materials against skirting around the perimeter of a room. Also protects the raw edge of floorcovering materials.

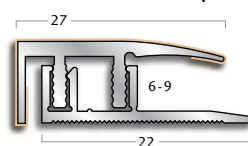
KB 387 L PPS



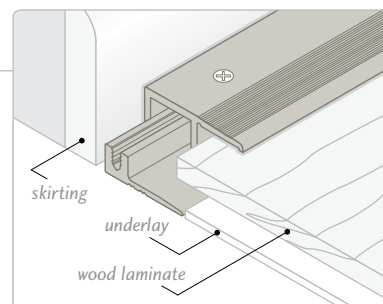
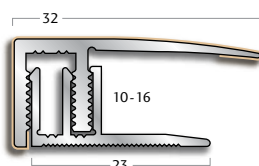
KB 387 PPS



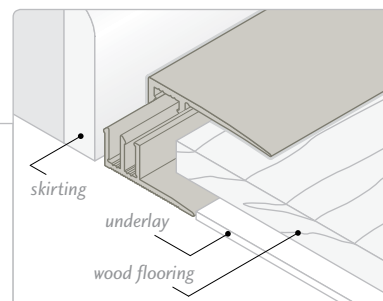
KB 587 LH Euro-Clip



KB 587 H Euro-Clip



Typical example: KB387L wood laminate to skirting. Note: shown with gap between profile base and wood laminate to allow for natural expansion.



Typical example: KB587H wood flooring to skirting. Note: shown with gap between profile base and wood flooring to allow for natural expansion.

colour availability

PPS: Gold (matt).

Euro-Clip: H10 Pine, H20 Dark Beech, H22 Light Beech, H30 Light Oak, H40 Maple, H70 Alder.

For a quick colour reference guide use the back cover foldout.

For full details on Colour Availability see pages 118 to 119.



trans-edge™ heavy-duty carpet trims

Dennis Gilbert/View.

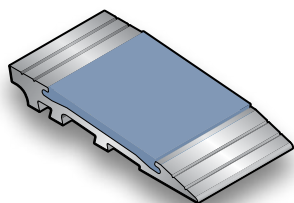
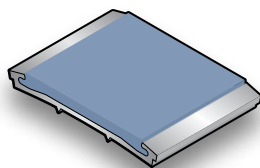
description

Trans-Edge carpet trims have been designed for use in the most demanding environments where frequent heavy foot and trolley traffic can be expected. Available in a choice of gauges, Trans-Edge carpet trims are manufactured in high quality aluminium to withstand repeated heavy traffic impacts. The incorporation of Gradus Interior insert material provides a slip resistant surface as well as allowing either a complementary or contrasting colour choice to blend with the surrounding floor finishes. Following the concept of Elite stair edgings, inserts are fitted on site to allow concealed fixings. A choice of profiles is available for joining floorcoverings on different levels (ELAR) or of similar heights (ELACS).

which trans-edge trim?

Flat Profile (ELACS)

Used to join floorcoverings of the same height



Ramp Profile (ELAR)

Used to join floorcoverings of different heights

profile availability

Gauge of profiles suitable for most floorcoverings.

- Choice of ramp or flat design
- When used with carpet, compressed carpet thickness should match profile gauge
- Ramp profiles should always be fitted on top of resilient floorcoverings
- Insert (ELINS40) is ordered separately from the aluminium channel

finishes / environment

Suitable for interior use.

- Mill finish aluminium channel
- Interior insert standard finish - choice of 22 colours

installation

Installation guidelines can be found on page 164.

- Elite: concealed fixing, inserts fixed on site
- Examples of typical installations using Trans-Edge carpet trims are shown on the opposite page

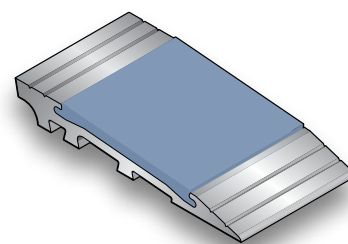
services

- Technical Services
- Design Service
- Samples

trans-edge

For guidance on the correct selection of transition strips see pages 116 to 117.

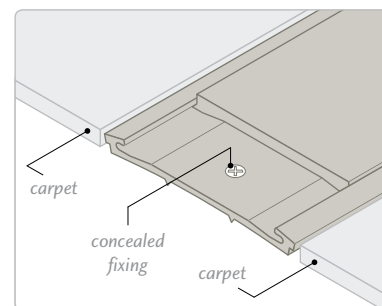
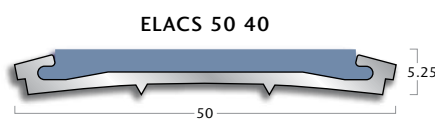
Channel	Mill finish aluminium
Inserts	Interior
Application	Railway stations, airports, transport interchanges
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.



ELAR 709 40

flat profile

Provides a neat transition between carpet finishes.

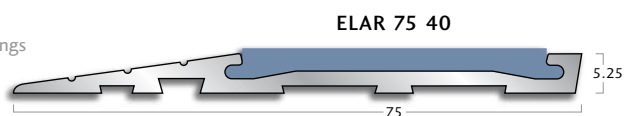


Typical example: ELACSS040 carpet to carpet.

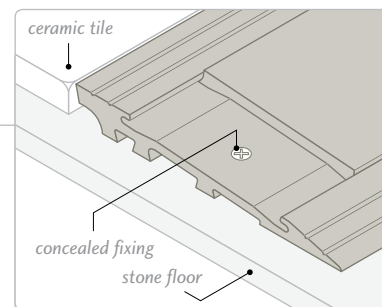
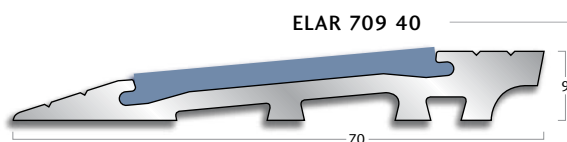
ramp profile

Provides a neat transition between floorcoverings of a different height.

Provides transition between: Carpet and resilient floorcoverings or terrazzo/stone.

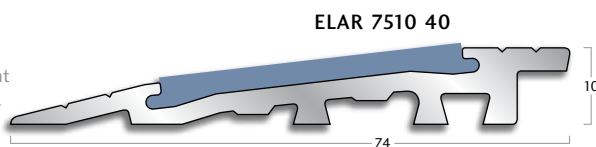


Provides transition between: Wood or ceramic tile and resilient floorcoverings or terrazzo/stone.



Typical example: ELAR70940 ceramic tile to stone floor.

Provides transition between: Wood or ceramic tile and resilient floorcoverings or terrazzo/stone.



section 5

colour availability

Interior Insert: Alpine, Burgundy, Buttercup, Canvas, Cloud, Coffee, Evergreen, Glacier, Ink, Jet, Lavender, Lead, Linen, Midnight, Nutmeg, Ocean, Poppy, Sage, Snowdrift, Steel, Storm, Veranda.

Elite Insert is supplied separately from the channel and must be specified separately. ELINS40 (40mm).

For a quick colour reference guide use the back cover foldout. For full details on Colour Availability see page 13 (Section 1).



cable ducts

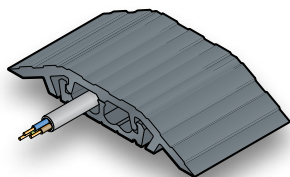
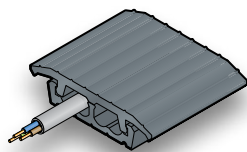
cable management systems

description

Cable Ducts combine the principle of Gradus Clip-Top functionality with the added benefit of securing loose or trailing light duty cables such as computer cables. The Workplace (Health, Safety and Welfare) Regulations 1992 recommends that “floors should be suitable, in good condition and free of obstructions. Traffic routes should be organised so that people can circulate safely”. Trailing cables should be avoided, and where appropriate the use of cable ducts can help to securely fix cables and prevent accidents, whilst also preventing damage to vital cables.

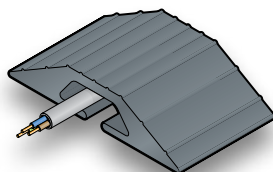
which cable duct?

TD Series
Set-in to Carpet



RD Series
Surface Mounted

CD Series
One-piece System



profile availability

- Ideal for use in typical office environments, cable ducts can either be set in to the carpet to achieve a flush finish (TD series) or fitted on top of the floorcovering (RD series and CD), ideal where a semi-permanent solution is required. All cable duct profiles, with the exception of CD65 (a one-piece flexible profile), are supplied as separate tops and bases manufactured from PVC-u which clip together to form the cable duct
- Choice of profile for flush finish (three gauges) or surface mount finish
- TD and RD series two-piece rigid PVC-u, CD series one-piece pvc

finishes / environment

Suitable for interior use.

- Choice of 4 colours
- Suitable for most medium traffic applications

installation

Installation guidelines can be found on page 164.

- Examples of typical installations using Cable Ducts are shown on the opposite page

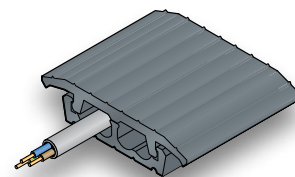
services

- Technical Services
- Design Service
- Samples

cable ducts

For guidance on the correct selection of transition strips see pages 116 to 117.

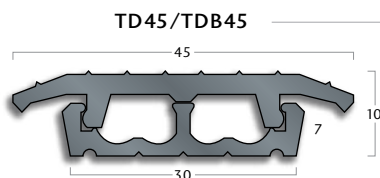
Tops	RD + TD series PVC-u, CD series pvc
Bases	PVC-u
Application	Most environments. Suitable for medium traffic
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.



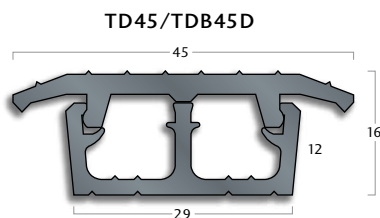
TD45/TDB45

flush finish

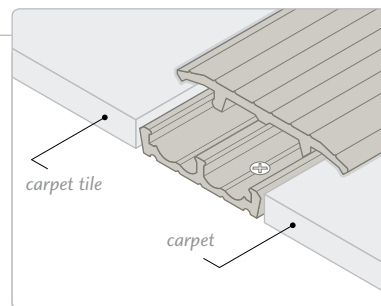
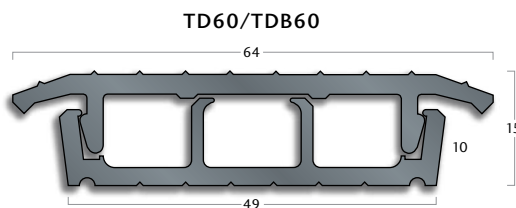
Provides transition between:
Carpets and carpet tiles.



Provides transition between:
Carpets and carpet tiles.



Provides transition between:
Carpets and carpet tiles.



Typical example: TD45/TDB45 carpet tile to carpet.

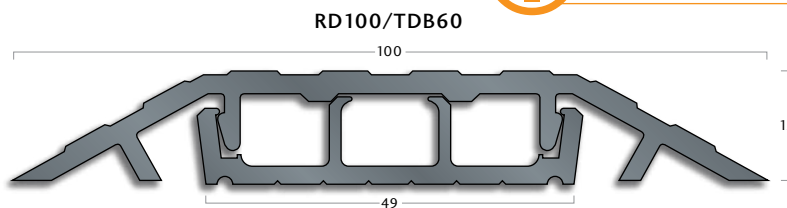


Design Service
see page 171.

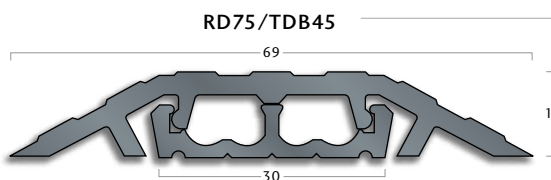
surface mounted

i RD profiles typically used with hard floorcoverings. For guidelines on use with carpet contact Technical Services.

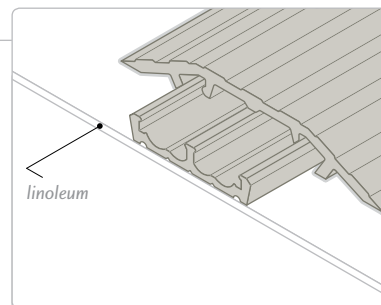
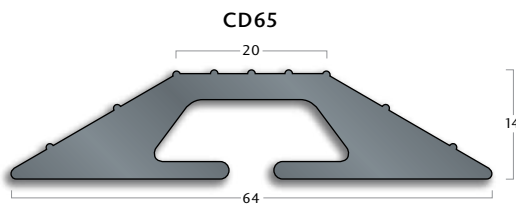
For surface fixing on top of floorcoverings.



For surface fixing on top of floorcoverings.



For surface mounting on top of floorcoverings.



Typical example: RD75/TDB45 surface mounted to linoleum.

colour availability

Cable Ducts: Black, Brown, Dove, Granite.

For a quick colour reference guide use the back cover foldout. For full details on Colour Availability see pages 118 to 119.

section 5



matwell frames & ramping frames

description

A matwell frame is used to help create, finish and protect a recess in the sub-floor that is used to accommodate a primary barrier mat.

Gradus matwell frames are available in a choice of sizes to accommodate different gauges of primary barrier matting and are designed to work with all the solutions in the Gradus matting range.

Available in a choice of aluminium or brass, all Gradus matwell frames are available either mitred or shaped subject to provision of a suitable drawing or template by the customer.

Ramping frames are used to create a 'surface matwell' where a mat is laid directly on top of the floor. Available in a choice of aluminium or pvc.

Gradus is able to offer a complete service for the provision of barrier matting systems including product specification and recommended layouts, quotations and full on-site installation and project management services.

Provision of the correct matwell frame type and size is key to ensuring an effective barrier matting system.

profile availability

- Matwell frames are available pre-drilled in a choice of heights to suit different gauges of barrier matting
- Choice of aluminium or brass finish
- Ramping frames are suitable for use with 12mm primary barrier mats

finishes / environment

Suitable for interior and exterior use.

- Recessed frame suitable for heavy traffic
- Ramping frame not suitable for use in areas subject to heavy trolley traffic

installation and maintenance

- Examples of typical installations using matwell frames are shown on the opposite page. Full installation instructions are available from Technical Services

services

- Technical Services
- Design Service
- Profiles can be fabricated
- Samples

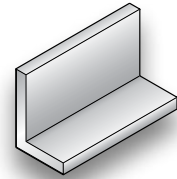
Further details on Gradus primary matting and secondary barrier carpet can be found on pages 157 to 161.

Request a copy of the Gradus Barrier Matting Systems brochure for details on the complete range.



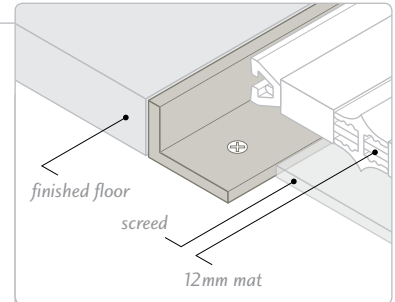
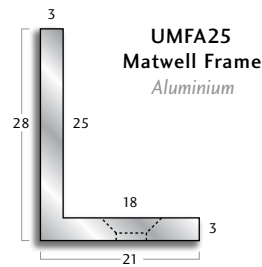
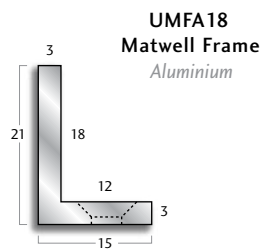
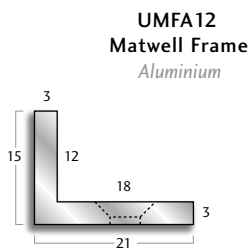
matwell frames & ramping frames

Material	Choice of aluminium, brass or pvc
Application	Suitable for heavy traffic use. Note: RAM012 and RMF50 not suitable for heavy trolley traffic applications
Profiles	Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

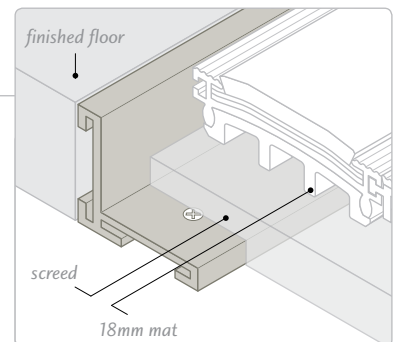
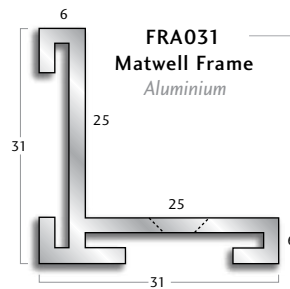
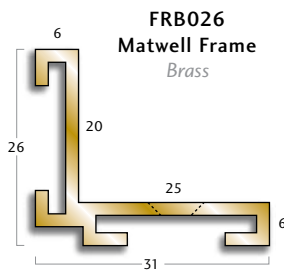


UMFA18
Matwell Frame

recessed frame

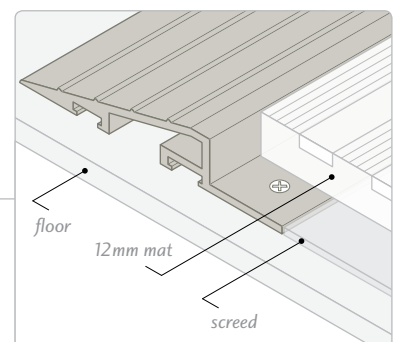
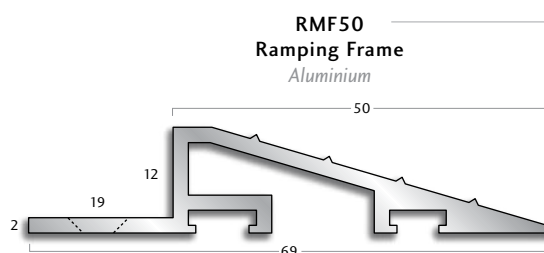
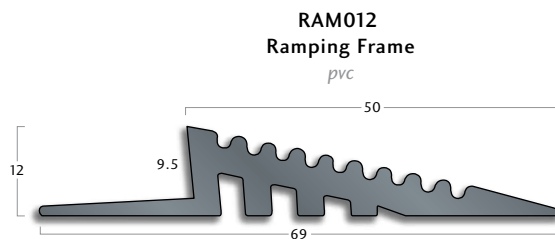


Example shows UMFA12 laid to accommodate a 12mm Gradus Topguard primary barrier mat.



Example shows FRA031 laid to accommodate an 18mm Gradus Esplanade Plus primary barrier mat.

ramping frame



Example shows RMF50 laid to accommodate a 12mm Gradus Access primary entrance mat.



specialist floor trim solutions

description

The following pages offer a wide selection of specialist floor trims that provide various solutions to common problems encountered where different floorcoverings are used together. Diagrams are shown adjacent to each product family to illustrate how each particular group of profiles is commonly used.

finishes / environment

Profiles available for both interior and exterior use.
See individual product pages for details

which floor trim?

Heavy Duty Ramp - a transition strip designed for heavy traffic environments

Cover Strips - used to join floorcoverings of a similar thickness
Often used at door thresholds

Expansion Joint Cover - a range of expansion joint covers to allow for the neat finishing of joints whilst allowing for linear expansion and movement

Nap Trims - used to finish the edge of a carpet where it meets either a stair edging or other material e.g. ceramic tile

Carpet Tile Edge - used to finish the edge of a carpet tile where it finishes or meets another floorcovering such as vinyl

Feather Edge - used to finish an exposed edge of a resilient floorcovering and provide a safe transition to the sub-floor

Carpet Trims - used with carpet to form a junction with other flooring materials such as carpet, wood or ceramic tile

Feature Strips - used to form a joint between different types of flooring material. Most profiles can be curved on-site

Multi-purpose Transition Profiles - a range of decorative transition profiles designed for joining different floor finishes of the same height

Joining Transition Strips - used to provide a joint between ceramic tiles and other flooring materials

Ramping Transition Strips - used to provide a safe transition between ceramic tiles and adjacent lower surfaces

Multi-purpose Profiles - a range of aluminium profiles suitable for use with a wide range of floorcoverings

Aluminium Floor Repair Trim - used to repair welded joints that have failed. Can also be used as a jointing strip for resilient floorcoverings

Ramp Edge - provides a neat and simple solution to junctions of flooring materials with different heights e.g. carpet to resilient floorcoverings

Dual Trim - used to finish a raised area such as tiered seating

Construction Joint Covers - acts as a construction joint cover strip. Provides a neat finish that accommodates the minor movements that occur in this type of joint. Designed for use with resilient floorcoverings

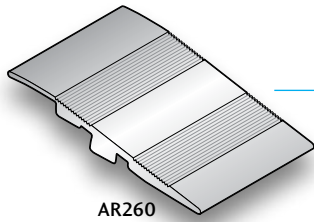
Bevelled Underlay - used to quickly and safely build up the height of a floorcovering to meet a thicker gauge material. Often used in conjunction with stair edgings

installation and maintenance

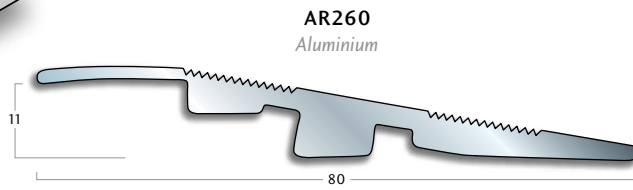
- Full installation instructions are available from Technical Services
- Details of cleaning and maintenance instructions can be found on page 165

services

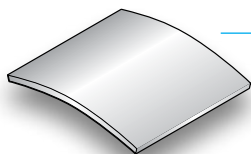
- Technical Services
- Design Service
- Samples



heavy duty ramp



Provides a transition between different flooring materials e.g. ceramic tile and vinyl. Suitable for use in heavy traffic environments. Also available in stainless steel.

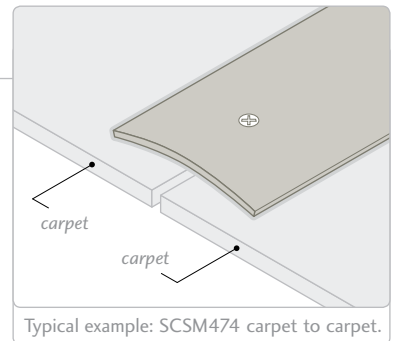
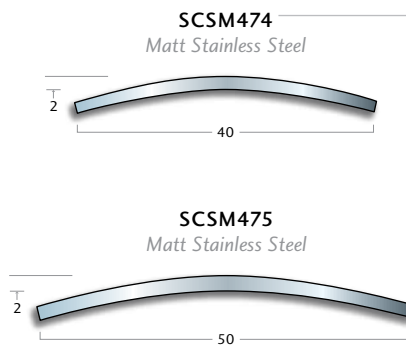


SCSM474

cover strips

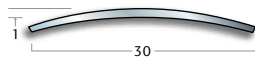
Provides a bridge to cover joints between floorcoverings of the same, or slightly differing heights e.g. carpet, carpet tiles. Ensures joints are neat and safe as well as protecting exposed edges. Typically used at door thresholds.

Supplied pre-drilled and countersunk.

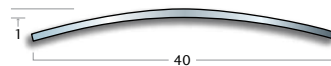


Typical example: SCSM474 carpet to carpet.

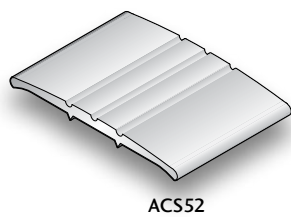
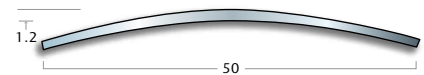
SCSP451 or SCSM451
Polished or Matt Stainless Steel



SCSP454 or SCSM454
Polished or Matt Stainless Steel

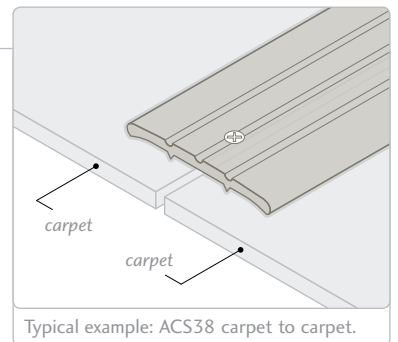
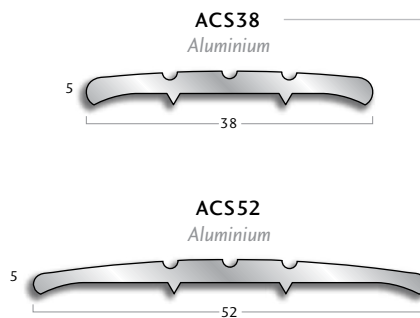


SCSP455 or SCSM455
Polished or Matt Stainless Steel

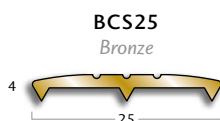


ACS52

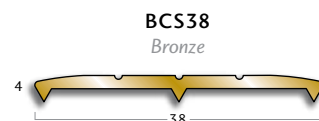
Provides a bridge to cover joints in carpet and carpet tiles to ensure joints are neat and safe as well as protecting exposed edges. Typically used at door thresholds.



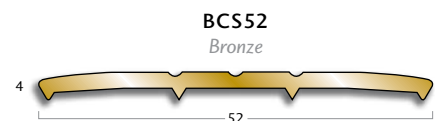
Typical example: ACS38 carpet to carpet.



BCS25
Bronze



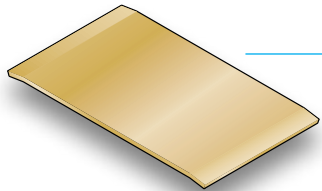
BCS38
Bronze



BCS52
Bronze

Profiles: Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

expansion joint covers



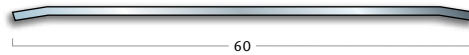
CP 60 OL

Provides a bridge to cover expansion joints offering neat finishing whilst allowing for linear expansion and movement.

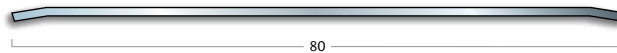
Supplied with a protective film for removal immediately prior to installation.

Can be ordered without adhesive for screw fixing (suffix N e.g. CP 60 OLN) or with self-adhesive for quick installation (suffix A e.g. CP 80 ASA).

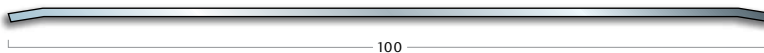
For contract installations it is recommended that the profile is mechanically fixed to the substrate.



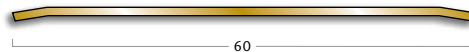
CP 60 IL ▲
Polished Stainless Steel



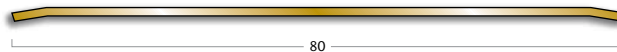
CP 80 IL ▲
Polished Stainless Steel



CP 100 IL ○
Polished Stainless Steel



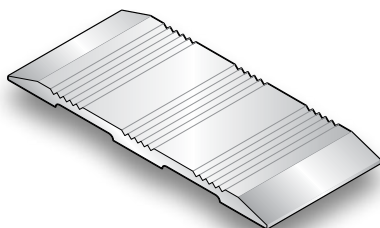
CP 60 OL ○
Polished Brass



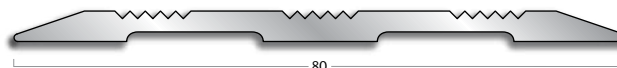
CP 80 OL ○
Polished Brass



CP 100 OL ○
Polished Brass



CP 80 AS



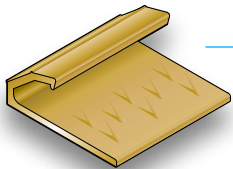
CP 80 AS ▲
Silver Anodised Aluminium



Key: ▲ Available from Stock
○ Available subject to lead times

Profiles: Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

nap trims

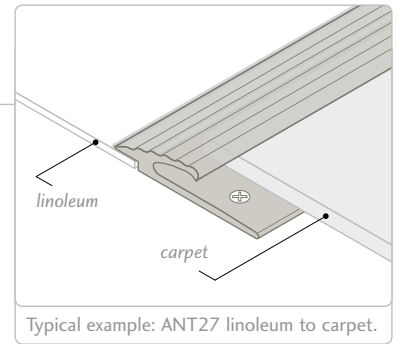
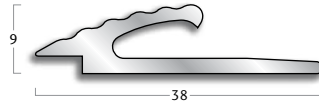


BCT16

Nap trims provide a neat edge or join between different types of flooring material such as carpets, vinyl and ceramic tiles. ANT355, CG1042 and BCT16 are often used as a 'binder bar' with a stair edging (see Section 1, page 53).

ANT27

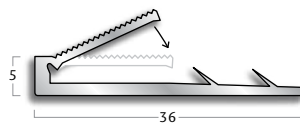
Aluminium



Typical example: ANT27 linoleum to carpet.

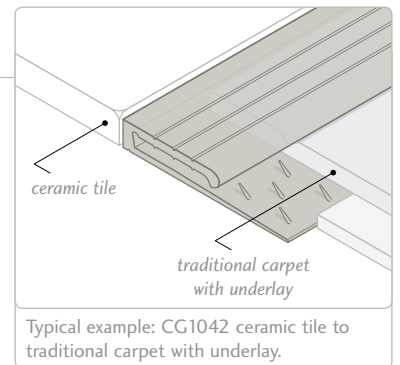
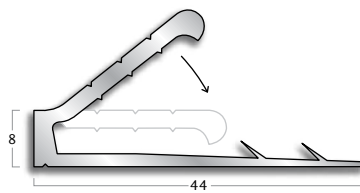
ANT355

Aluminium - available with or without carpet gripper



CG1042

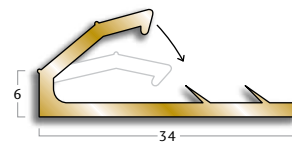
Aluminium - available with or without carpet gripper



Typical example: CG1042 ceramic tile to traditional carpet with underlay.

BCT16

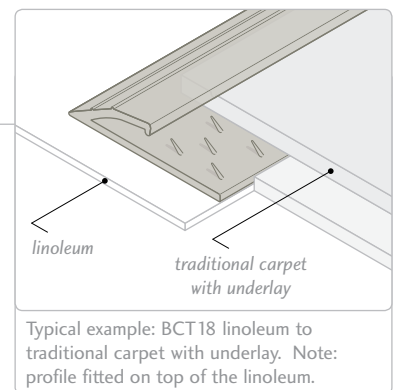
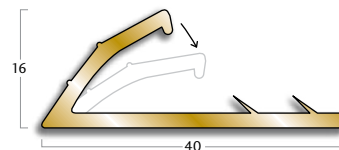
Bronze - available with or without carpet gripper



Design Service
see page 171.

BCT18

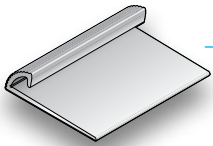
Bronze - available with or without carpet gripper



Typical example: BCT18 linoleum to traditional carpet with underlay. Note: profile fitted on top of the linoleum.

Profiles: Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

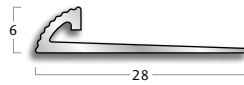
carpet tile edge



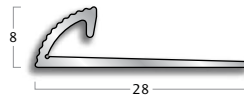
ACT81

Used to form a neat and clean finish to the edge of a carpet tile or carpet where it either finishes or meets another floorcovering such as vinyl.

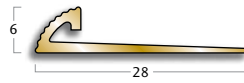
ACT61
Aluminium



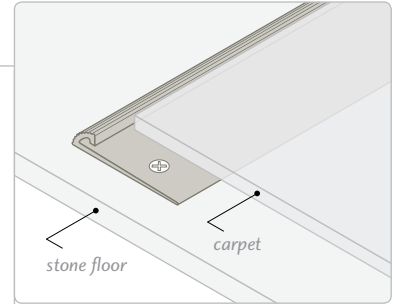
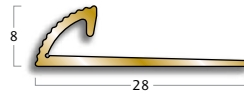
ACT81
Aluminium



BCT61
Bronze



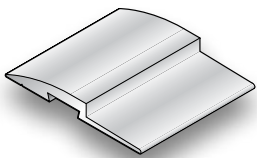
BCT81
Bronze



Typical example: ACT61 carpet to stone floor.



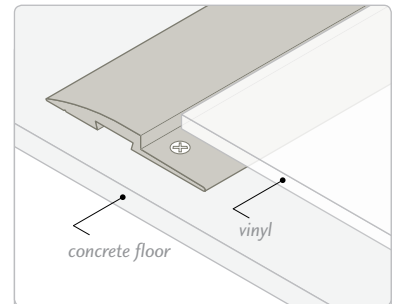
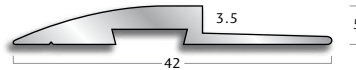
Design Service
see page 171.



TA16

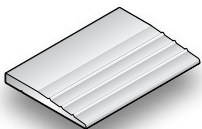
Provides a neat and simple solution to joining floorcoverings of different heights.

TA16
Aluminium



Typical example: TA16 vinyl to concrete floor.

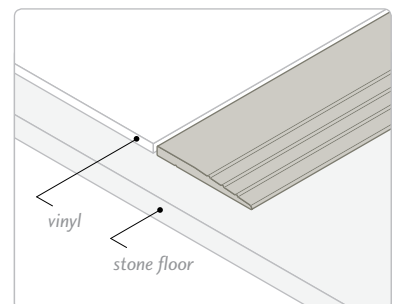
feather edge



TA25

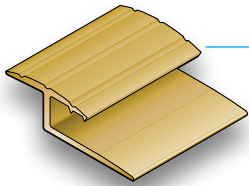
Used to finish the raw exposed edge of resilient floorcoverings. Typically used at the junction with terrazzo or stone floors.

TA25
Aluminium



Typical example: TA25 vinyl to stone floor.

Profiles: Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.



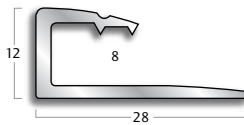
BCT28

Used with carpet or carpet tile at the junction with other floorcovering materials such as carpet, carpet tile, wood or ceramic tiles (BCT48).

carpet trims

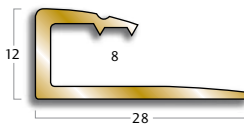
ACT48

Aluminium - available with or without carpet gripper



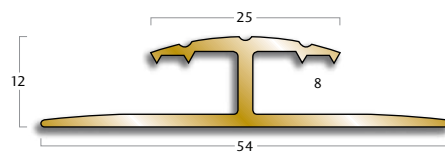
BCT48

Bronze - available with or without carpet gripper



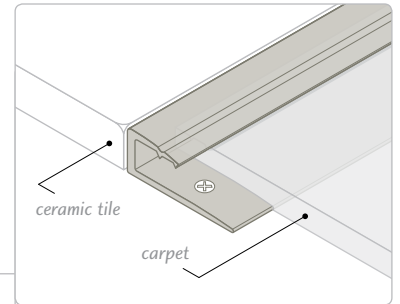
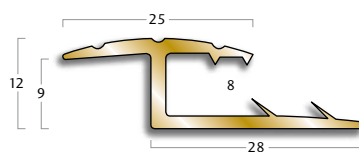
BCT38

Bronze - available with or without carpet gripper

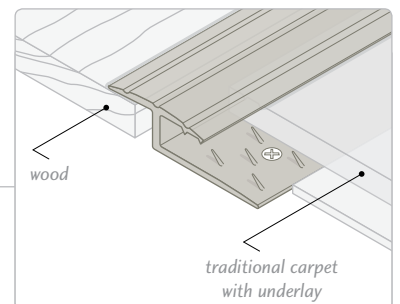


BCT28

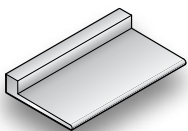
Bronze - available with or without carpet gripper



Typical example: BCT48 ceramic tile to carpet.



Typical example: BCT28 wood to traditional carpet with underlay.



TA6

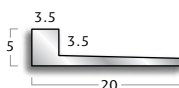
Used to form a joint between different types of floorcovering such as carpet, carpet tiles and resilient floorcoverings. Cannot be curved.

TA8 is ideal as a day joint profile for resin floors. Suitable for on-site polishing and finishing.

feature strips

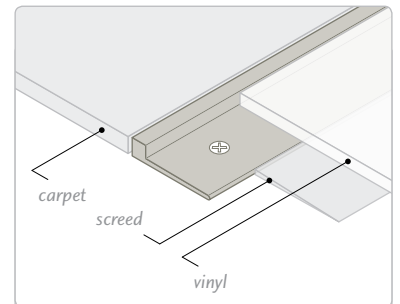
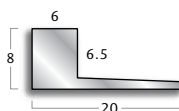
TA6

Aluminium

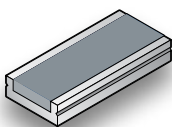


TA8

Aluminium



Typical example: TA6 carpet to vinyl.

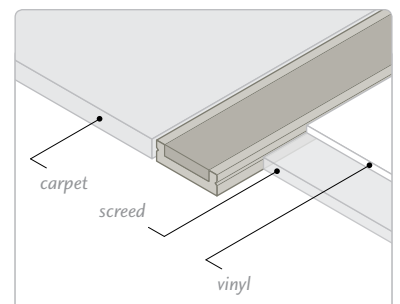
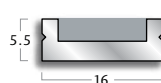


FCA16

This factory curvable profile acts as a feature strip to help define walkways or separate floorcoverings.

FCA16

Pvc insert with Aluminium base



Typical example: FCA16 carpet to vinyl.

colour availability

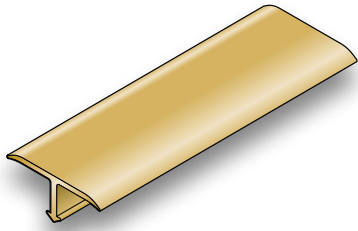
Interior Insert: Alpine, Burgundy, Buttercup, Canvas, Cloud, Coffee, Evergreen, Glacier, Ink, Jet, Lavender, Lead, Linen, Midnight, Nutmeg, Ocean, Poppy, Sage, Snowdrift, Steel, Storm, Veranda.

Interior Insert - Grained: Black, Bluebell, Brown, Dove, Granite.

For a quick colour reference guide use the back cover foldout. For full details on Colour Availability see page 13 (Section 1).

Profiles: Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

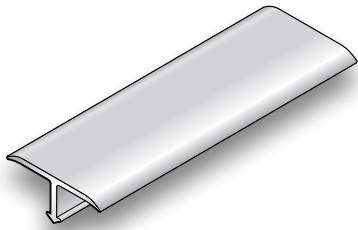
multi-purpose transition profiles



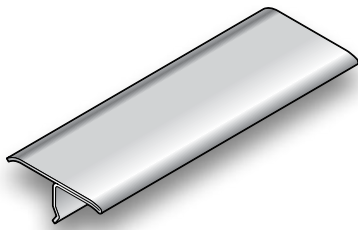
SP 20 OL

Decorative transition profile designed for joining different floor finishes of the same, or slightly differing, heights. The 'T' shaped profile top allows slight imperfections in joints and cuts to be hidden, and enables a gap between floor finishes to be incorporated during installation to allow for natural expansion in flooring materials such as ceramics and wood.

SP 14 OL/OC/AS profiles can be curved on-site for shaped edges and inlays.



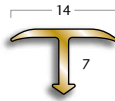
SP 20 AS



SP 20 IL

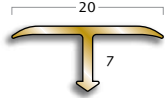
SP 14 OL ▲

Polished Brass



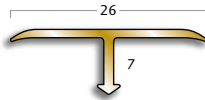
SP 20 OL ▲

Polished Brass



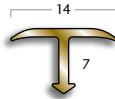
SP 26 OL ▲

Polished Brass



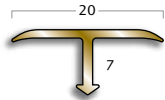
SP 14 OC ▲

Chromed Brass



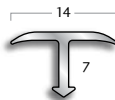
SP 20 OC ▲

Chromed Brass



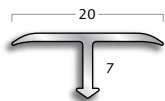
SP 14 AS ▲

Silver Anodised Aluminium



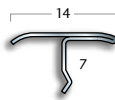
SP 20 AS ▲

Silver Anodised Aluminium



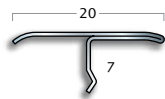
SP 14 IL ▲

Stainless Steel



SP 20 IL ▲

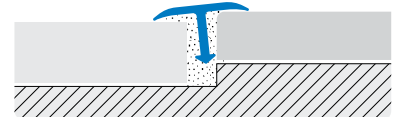
Stainless Steel



Typical example: SP 14 OL wood laminate to ceramic tile.



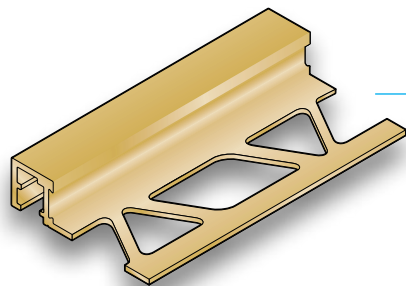
Typical example: SP 20 OC ceramic tile to wood laminate.



Key: ▲ Available from Stock
○ Available subject to lead times

Profiles: Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

joining transition strips

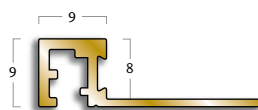


SJ 80 ON

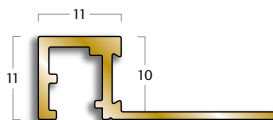
Decorative feature strip designed specifically for use with ceramics. Provides a joint between floorcoverings whilst protecting tile edges. Can also be used as a matwell frame. Incorporates a dovetail internal cavity to provide improved key for grout.

* Brass profiles also available in a polished finish - use code SJ-OL when specifying. ○

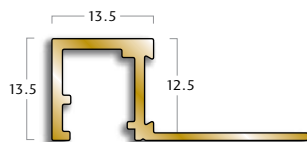
SJ 80 ON ○
Natural Brass*



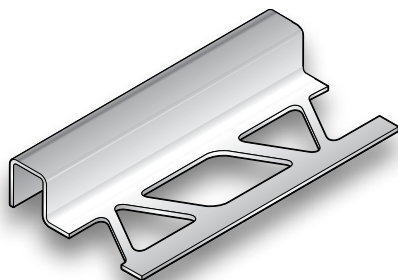
SJ 100 ON ○
Natural Brass*



SJ 125 ON ○
Natural Brass*



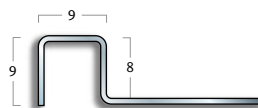
Typical example: SJ 100 ON used as matwell frame - ceramic tile to barrier mat.



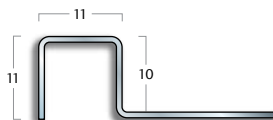
SJ 80 IL

** Stainless steel profiles also available in a brushed finish - use code SJ-IS when specifying. ○

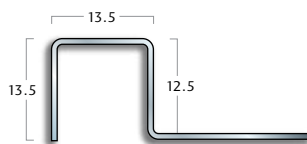
SJ 80 IL ○
Polished Stainless Steel **



SJ 100 IL ○
Polished Stainless Steel **



SJ 125 IL ○
Polished Stainless Steel **



Finishing accessories available for creating neat corners (see photo above).



Typical example: SJ 100 IL ceramic tile to ceramic tile.

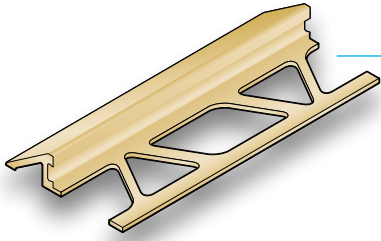


Design Service
see page 171.

Key: ▲ Available from Stock
○ Available subject to lead times

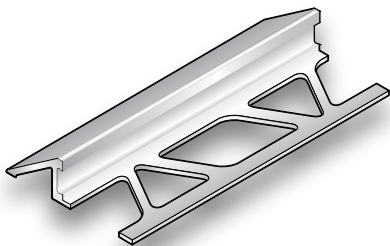
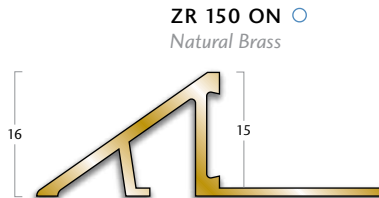
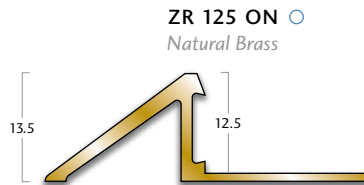
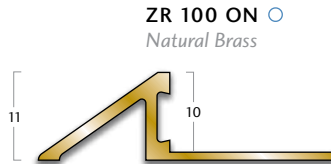
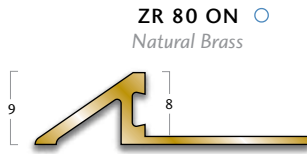
Profiles: Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

ramping transition strips



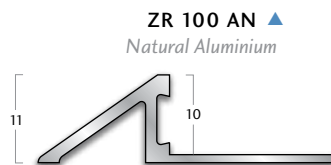
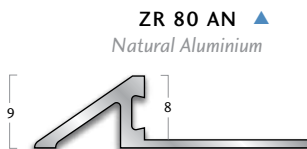
ZR 80 ON

Provides protection to the edge of ceramic tiled flooring installations whilst allowing safe transition to adjacent lower surfaces. Suitable for heavy contract use in interior or exterior environments.



ZR 100 AN

Provides protection to the edge of ceramic tiled flooring installations whilst allowing safe transition to adjacent lower surfaces. Suitable for interior medium contract or domestic applications.



CURVELINE

ZR 80 ON and ZR 100 ON brass profiles are also available with pre-punched fixing tabs and holes on the flange to allow curves on-site for edges and inlays. The suffix 'D' should be added to the product code when specifying e.g. ZR 80 OND. ○



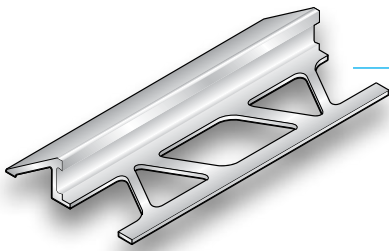
CURVELINE

ZR-AN aluminium profiles are also available with pre-punched fixing tabs and holes on the flange to allow curves on-site for edges and inlays. The suffix 'D' should be added to the product code when specifying e.g. ZR 100 AND. ○

Key: ▲ Available from Stock
○ Available subject to lead times

Profiles: Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

ramping transition strips



ZR 100 AS

Provides protection to the edge of ceramic tiled flooring installations whilst allowing safe transition to adjacent lower surfaces. Suitable for interior medium contract or domestic applications.

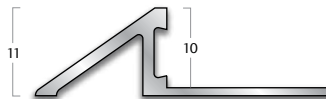
ZR 80 AS ○

Silver Anodised Aluminium



ZR 100 AS ○

Silver Anodised Aluminium

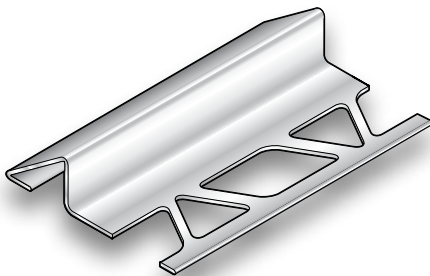


Typical example: ZR 80 AS ceramic tile to stone floor.



CURVELINE

ZR-AS aluminium profiles are also available with pre-punched fixing tabs and holes on the flange to allow curves on-site for edges and inlays. The suffix 'D' should be added to the product code when specifying e.g. ZR 100 ASD. ○

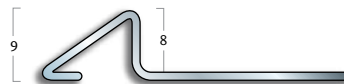


ZR 125 IL

Provides protection to the edge of ceramic tiled flooring installations whilst allowing safe transition to adjacent lower surfaces. Suitable for heavy contract use in interior or exterior environments.

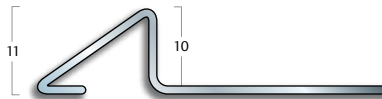
ZR 80 IL ○

Stainless Steel



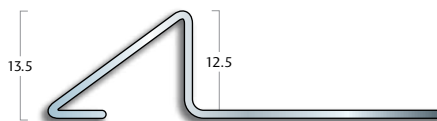
ZR 100 IL ○

Stainless Steel



ZR 125 IL ○

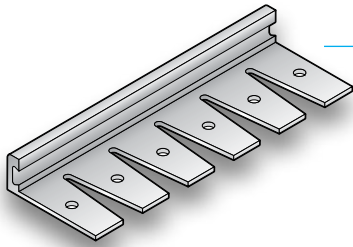
Stainless Steel



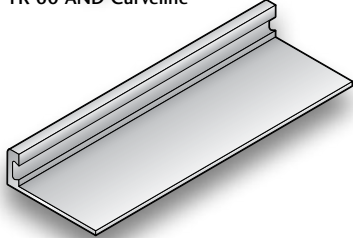
Key: ▲ Available from Stock
○ Available subject to lead times

Profiles: Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

multi-purpose profiles



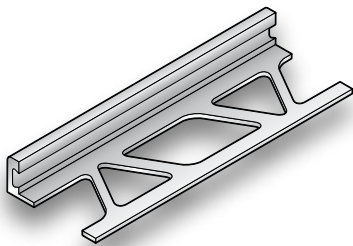
TR 60 AND Curveline



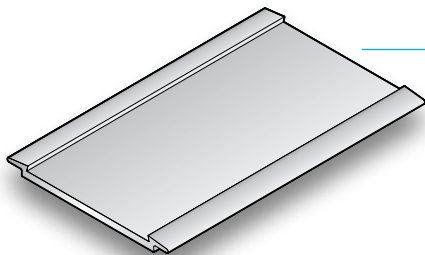
TR 60 ANSB Solid

Multi-purpose aluminium profiles for use with a wide range of floorcoverings including resilient floorcoverings, carpet, carpet tile, ceramics, marble, stone, wood and industrial resin floors.

Can also be used as a matwell frame.



TR trims also available with a perforated flange for ceramics and stone installations (see Gradus catalogue - Profiles & Movement Joints for Ceramics - for details).

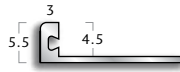


AVR5020

Aluminium floor trim designed to repair resilient floorcoverings where welded joints have failed. Utilises strips of the same floorcovering as an insert to provide an unobtrusive repair. Ideal for use in environments that endure heavy wheeled and pedestrian traffic. Can also be installed at door interfaces to provide a robust transition.

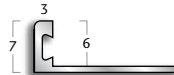
TR 45 AND Curveline or TR 45 ANSB Solid

Aluminium



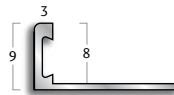
TR 60 AND Curveline or TR 60 ANSB Solid

Aluminium



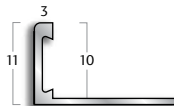
TR 80 AND Curveline or TR 80 ANSB Solid

Aluminium



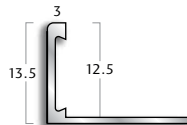
TR 100 AND Curveline or TR 100 ANSB Solid

Aluminium



TR 125 AND Curveline or TR 125 ANSB Solid

Aluminium



Typical example: TR 45 AND cork flooring to carpet tile.



Typical example: TR 45 ANSB carpet tile to cork flooring.



CURVELINE

TR-AN aluminium profiles are available with pre-punched fixing tabs and holes on the flange to allow curves on-site for edges and inlays.

aluminium floor repair trim



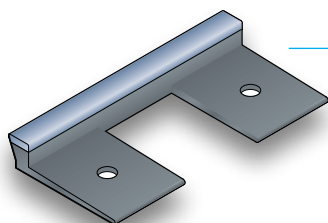
AVR5020
Aluminium



Typical example: AVR5020 repairing safety flooring.

Profiles: Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

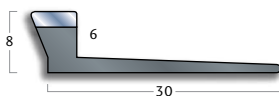
feature strips



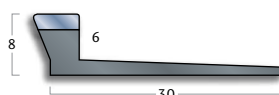
GT61M

Used to form a joint between different types of floorcovering such as carpet, carpet tiles, wood laminate and resilient floorcoverings. GT61 can be curved on-site to accommodate shaped and radius designs. GT61 is supplied pre-punched with tabs and fixing holes.

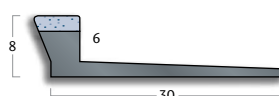
GT61M
Co-extruded Metallic pvc top with PVC-u base



GT61R
Co-extruded pvc top with PVC-u base

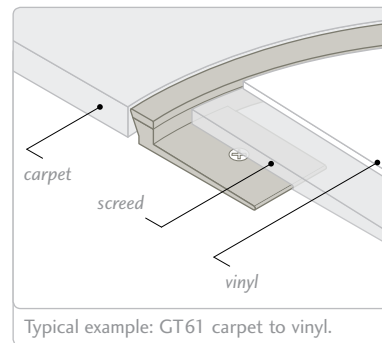


GT61T
Co-extruded Textura pvc top with PVC-u base

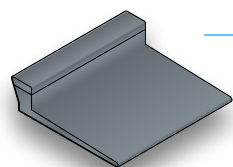
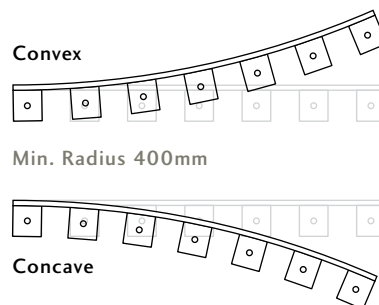


colour availability

GT61M: Burnt Almond, Doubloon, Platinum, Silver, Zinc.
GT61R: Black, Bluebell, Brown, Dove, Evergreen, Granite.
GT61T: Atlantis, Aspen, Bluestone, Drystone, Helvellyn, Mars, Tundra.



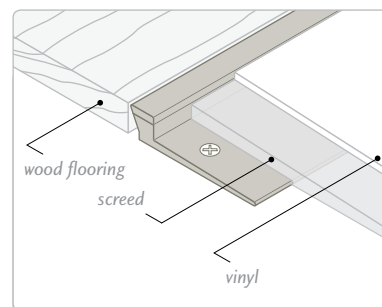
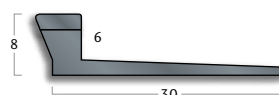
Typical example: GT61 carpet to vinyl.



PET276

Used to form a joint between different types of floorcovering such as carpet, carpet tiles, wood laminate and resilient floorcoverings. Cannot be curved on-site.

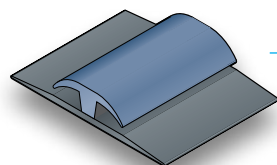
PET276
Co-extruded pvc top with PVC-u base



Typical example: PET276 wood flooring to vinyl.

colour availability

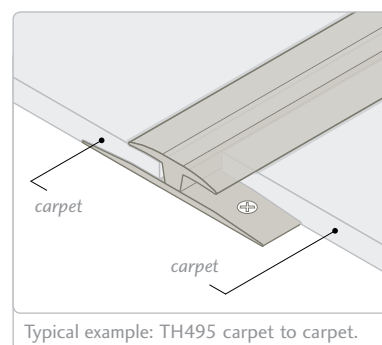
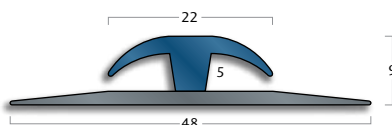
PET: Black, Brown, Dove, Granite.



TH495

TH495 is a one-piece transition strip that is used to join floorcoverings of the same height. Suitable for use with carpet or carpet tile.

TH495
Co-extruded Metallic pvc top with PVC-u base



Typical example: TH495 carpet to carpet.

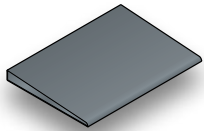
colour availability

TH: Doubloon, Platinum, Silver, Zinc.

For a quick colour reference guide use the back cover foldout. For full details on Colour Availability see pages 118 to 119.

Profiles: Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.

feather edge

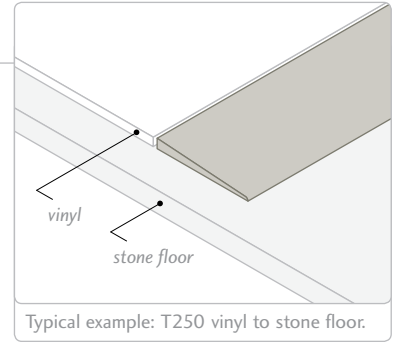
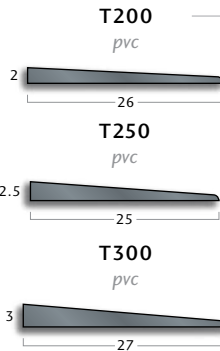


T250

Used to finish the raw exposed edge of resilient floorcoverings. Typically used at the junction with terrazzo or stone floors.

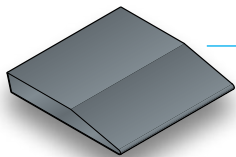
colour availability

T: Black, Brown, Dove, Granite.



Typical example: T250 vinyl to stone floor.

ramp edge

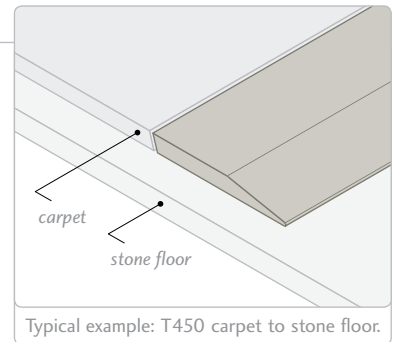
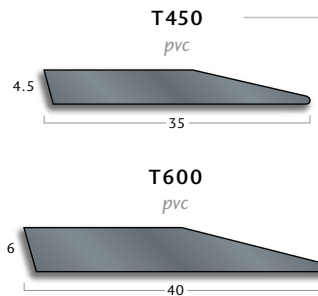


T450

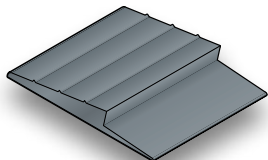
Provides a neat and simple solution to joining floorcoverings of different heights.

colour availability

T: Black, Brown, Dove, Granite.



Typical example: T450 carpet to stone floor.

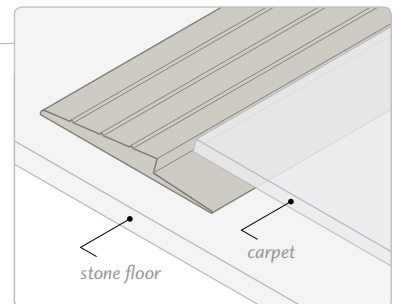
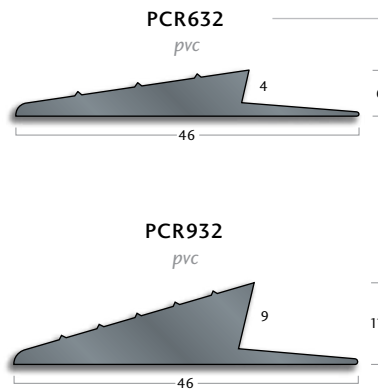


PCR632

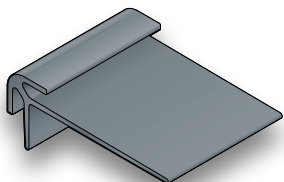
Provides a neat and simple solution to joining floorcoverings of different heights.

colour availability

PCR: Black, Brown, Dove, Granite.



Typical example: PCR632 carpet to stone floor.



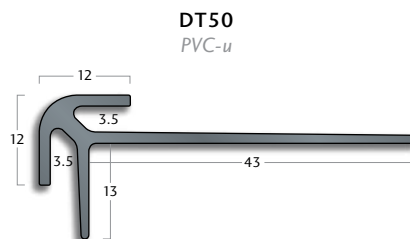
DT50

DT50 is a rigid PVC-u trimming strip used to provide a neat finish to the edge of raised areas such as tiered seating in lecture theatres. Designed for use with resilient floorcoverings and thin gauge carpets.

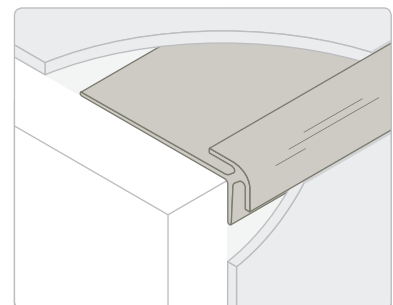
Note: This product is not suitable for use as a stair edging.

colour availability

DT: Black, Brown, Dove, Granite.



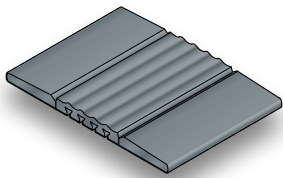
dual trim



Typical example: DT50 fitted in conjunction with 3.2mm linoleum to form a neat finish to the edge of a raised area.

For a quick colour reference guide use the back cover foldout. For full details on Colour Availability see pages 118 to 119.

construction joint covers

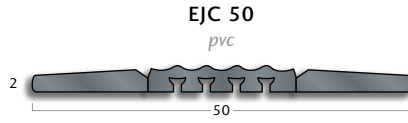


EJC 50

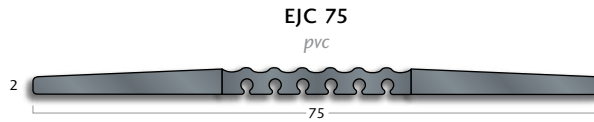
Construction joint cover is used to provide a cover for construction joints. This neat solution allows for minor movement that occurs.

colour availability

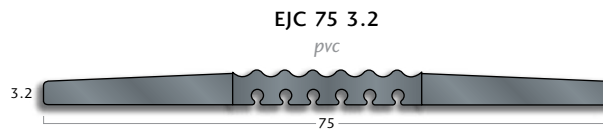
EJC: Black, Brown, Dove, Granite.



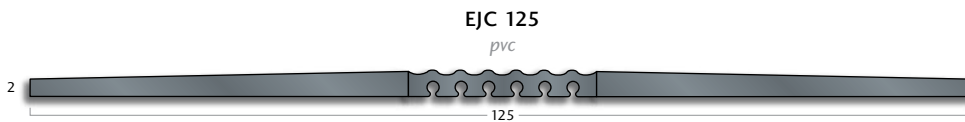
EJC 50
pvc



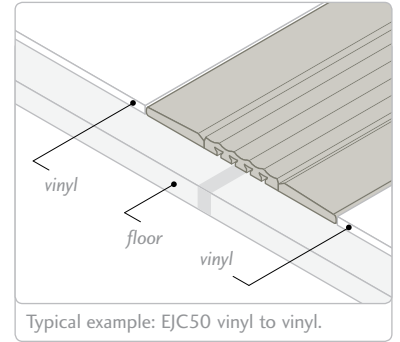
EJC 75
pvc



EJC 75 3.2
pvc



EJC 125
pvc

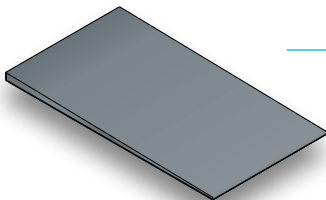


Typical example: EJC50 vinyl to vinyl.



Design Service
see page 171.

bevelled underlay

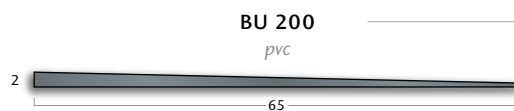


BU 200

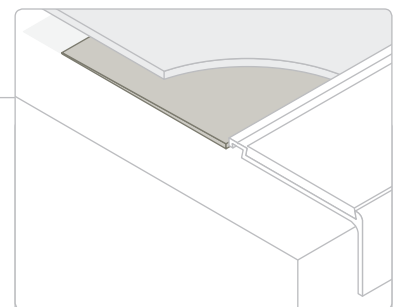
Bevelled underlay is a flexible pvc material used as a diminishing strip and is ideal for building up resilient floorcoverings. Correct use of bevelled underlay avoids trip hazards.

Grooves along the length of the underlay provide a straight cutting edge at points where the thickness gives ideal height adjustment.

Bevelled underlay is fitted with a proprietary contact adhesive and it is advisable to feather the tapered edge with a thin layer of latex cement.



BU 200
pvc



Typical example: BU200 bevelled underlay used to build up a 3.2mm linoleum to ensure a flush finish with the back edge of a G11 stair edging (5mm gauge).



BU 800
pvc

colour availability

BU: Black.

For a quick colour reference guide use the back cover foldout. For full details on Colour Availability see pages 118 to 119.

Profiles: Dimensions shown are nominal. Illustrations are full size in mm. Products subject to minor design alterations without notice.



6 section



barrier matting

Information on SystemMatics - primary and secondary barrier matting systems. Details of products and colours can be found in this section.

	Page
SystemMatics® barrier matting systems	158
primary matting	
Esplanade 6000 and 5000	159
Esplanade 1500	159
Access 6000 and 5000	159
Topguard	160
Topguard Plain	160
Tyreguard	160
secondary barrier carpet	
Boulevard 6000	161
Boulevard 5000	161
Boulevard 1500	161



SystemMatics®

barrier matting systems

description

Gradus Matting provides one of the most extensive barrier matting ranges available today. Using the Gradus SystemMatics approach, specifiers can utilise a combination of co-ordinated barrier matting products in all areas of building that are subject to large volumes of foot and trolley traffic including entrances and other high volume traffic areas such as corridors, receptions, lift lobbies, canteens etc.

According to the Health and Safety Executive, 90% of slip accidents in public buildings are caused by wet flooring. The provision of adequate amounts of Gradus matting can help prevent moisture being tracked into a building and therefore help to reduce such slip incidents. In addition, Gradus barrier matting removes dirt and soil from foot and wheeled traffic, preventing damage to adjoining floorcoverings and helping to extend the building's life cycle.

services

- Technical Services
- Supply & Fit
- Samples
- Project Management

guidelines

The Building Regulations 2000 - Approved Document M (ADM) states that floor surface materials within the lobby should not impede the movement of wheelchairs and changes in floor materials should not create a potential slip hazard. In addition, the floor surface should help to remove rainwater from shoes and wheelchairs. All products in the Gradus matting portfolio have been designed to meet the guidelines in BS8300:2001 and ADM (2004), helping specifiers meet their duties under the Disability Discrimination Act.

primary matting

The Gradus primary matting collection is manufactured from a selection of materials including aluminium, pvc and rubber. Primary matting provides an effective barrier against soil and moisture by retaining wet and dry debris at the point of entry to a building.

secondary barrier carpet

The Gradus Boulevard secondary barrier carpet ranges have been developed for contract applications and are designed to look like conventional carpet whilst offering the performance benefits of a mat. The Boulevard ranges are ideal for use in entrances and access points as well as those areas within a building prone to heavy soiling including:

- Foyers & Reception areas
- Staircases
- Corridors & Lifts
- Vending Areas
- Service Points

Request a copy of the Gradus Barrier Matting Systems brochure for details on the complete range of Gradus matting





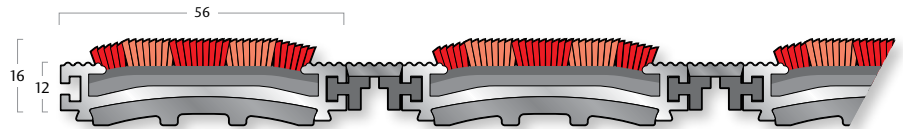
esplanade plus™ 6000 shown esplanade plus™ 5000

Esplanade 6000 and 5000 comprise an aluminium base supported by rigid PVC-u bridging strips, flexible pvc linking strips, aluminium scrapers interspaced with a choice of nylon wipers from the Boulevard 6000 and 5000 ranges (see page 161).

features

- Interior Use
- Open or Closed Construction
- Moisture Removal
- Coarse Dirt Removal
- Suitable for Wheeled Traffic
- Co-ordinates with: *Boulevard 6000*
Boulevard 5000
- Ease of Maintenance
- Ideal for use in interior locations subject to heavy foot and trolley traffic e.g. supermarkets, shopping centres and airports

Esplanade 6000 12mm Closed Construction
Single Wiper with PVC Hinges *Illustration shown at 75% actual size*



- Also available in 18mm (height including wipers - 22mm)



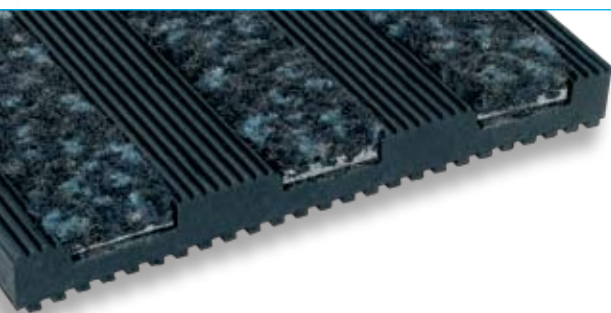
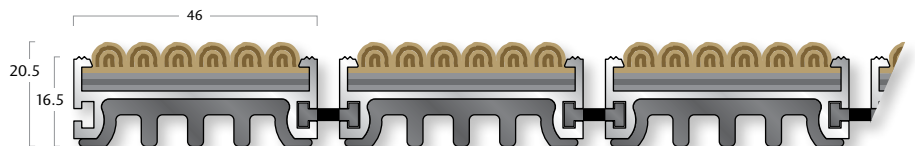
esplanade 1500™

Esplanade 1500 comprises an aluminium base with rigid PVC-u support strips, flexible pvc linking strips, aluminium scrapers interspaced with polypropylene wipers from the Boulevard 1500 range (see page 161).

features

- Interior Use
- Open, Closed or Scraper Construction
- Moisture Removal
- Coarse Dirt Removal
- Suitable for Wheeled Traffic
- Co-ordinates with: *Boulevard 1500*
- Ease of Maintenance
- Ideal for use in interior locations subject to medium to heavy foot and trolley traffic e.g. shopping centres, high street shops, schools and offices

Esplanade 1500 Open Construction
Single Wiper with PVC Hinges *Illustration shown at 75% actual size*



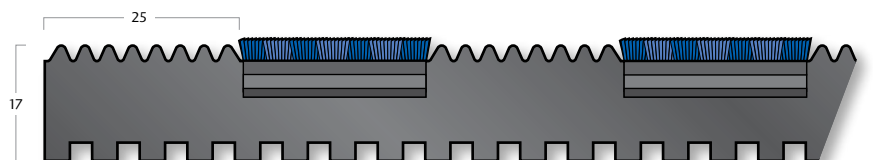
access 6000 shown access 5000

Access comprises of a moulded black or grey rubber base with a choice of nylon wipers from the Boulevard 6000 and 5000 ranges (see page 161). Access is easy to install and shape on-site and is available in a choice of 17mm and 12mm thicknesses.

features

- Interior Use
- Closed Construction
- Moisture Removal
- Coarse Dirt Removal
- Co-ordinates with: *Boulevard 6000*
Boulevard 5000
- Compatible with Electronic Tagging Systems
- Ease of Maintenance
- Easy to Install
- Quiet in Use
- Patented Worldwide
- Suitable for medium levels of foot and wheeled traffic e.g. schools, offices and some high street shops

Access 17mm Closed Construction
Single Wipers with Rubber Base





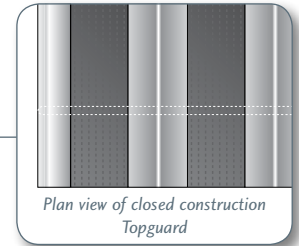
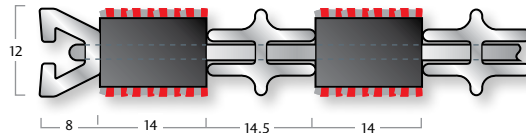
topguard™

Topguard is manufactured from rubber wipers interwoven with nylon fibres and linking strips in a choice of aluminium, PVC-u or brass, held together with galvanised steel wires.

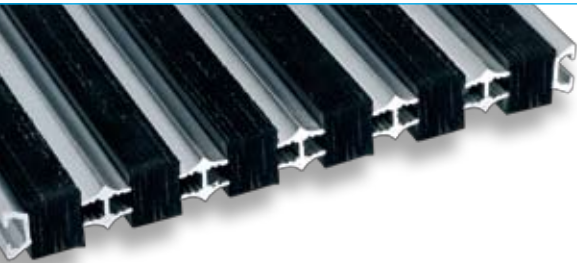
features

- Interior Use
- Open or Closed Construction
- Moisture Removal
- Coarse Dirt Removal
- Suitable for Wheeled Traffic
- Ease of Maintenance
- Reversible Product
(square and rectangle only)
- Suitable for the most demanding applications e.g. airports and supermarkets

Topguard 12mm Closed Construction Single Wiper with Aluminium Linking Strips



- Also available in 18mm



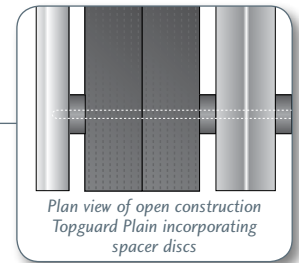
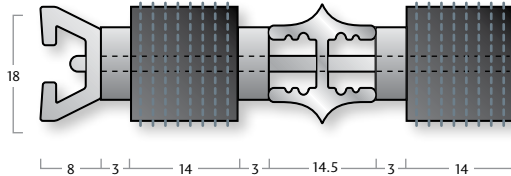
topguard™ plain

Topguard Plain is manufactured from black rubber wipers and aluminium linking strips held together with galvanised steel wires. Ideal for heavy traffic applications e.g. airports and supermarkets.

features

- Exterior Use
- Open or Closed Construction
- Coarse Dirt Removal
- Suitable for Wheeled Traffic
- Ease of Maintenance
- Reversible Product
(square and rectangle only)
- Suitable for exterior installation, especially effective when combined with an interior primary mat

Topguard Plain 18mm Open Construction Single Wiper with Aluminium Linking Strips



- Also available in 12mm



tyreguard™

Tyreguard is manufactured from aluminium linking strips and grey rubber wipers which are recycled from tyres.

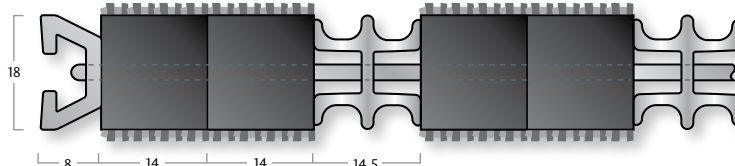


Tyreguard contains at least 50% recycled material.

features

- Recycled Rubber Wipers
- Interior Use
- Open or Closed Construction
- Moisture Removal
- Coarse Dirt Removal
- Suitable for Wheeled Traffic
- Ease of Maintenance
- Reversible Product
(square and rectangle only)
- Suitable for heavy traffic applications e.g. airports and supermarkets

Tyreguard 18mm Closed Construction Double Wiper with Aluminium Linking Strips



Note: Rubber wipers consist of a minimum of 50% vulcanised rubber from tyres. Due to the recycled content of the matting, there will be natural inconsistencies in the pile height and shading of the rubber. These variations should become less apparent once the product has been installed for a period of time.

boulevard™ 6000

Boulevard 6000 is a high performance secondary barrier carpet manufactured from 100% solution dyed nylon, offering excellent scraping and moisture retention properties. Ideal for use in all areas of a building, particularly those at greatest risk of damage from tracked through soil and moisture.

specification

tile

- 500mm x 500mm
- Tufted Cut Pile
- Bitumen Backing
- Total Thickness – 9mm
- Pile Height – 5mm
- B1 Fire Rated
- Tested to BSEN1307
- Colour Fastness Tested
- 10 Year Wear Warranty

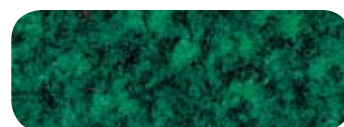
sheet

- 25m x 2m (Rolls and Cuts)
- PVC Backing
- Total Thickness – 8mm
- Pile Height – 5mm
- B1 Fire Rated
- Tested to BSEN1307
- Colour Fastness Tested
- 10 Year Wear Warranty

For full specification details request a Boulevard 6000 sample card.



SHADOW



CHIVE



SUNFIRE



INDIGO



ROSEMARY



LATTE



CABERNET



GALAXY



WATERFALL



NIGHTFALL (Sheet option only)

boulevard™ 5000

Boulevard 5000 is a traditional style secondary barrier carpet manufactured from 100% Aquafil solution dyed nylon fibres with an impervious pvc backing. Ideal for use in any area of a building prone to soil and moisture damage.

specification

sheet

- 25m x 2m (Rolls and Cuts)
- Tufted Cut Pile
- PVC Backing
- Total Thickness – 8mm
- Pile Height – 6.5mm
- B1 Fire Rated
- Tested to BSEN1307
- Colour Fastness Tested
- 5 Year Wear Warranty

For full specification details request a Boulevard 5000 sample card.



SWIFT



GROUSE



TERN



MALLARD



GADWALL



HUMMINGBIRD

boulevard™ 1500

Boulevard 1500 is a cost effective secondary barrier carpet manufactured from 100% Polypropylene PR with a latex waffle backing. Ideal for use in applications such as education and leisure.

specification

sheet

- 15m x 2m (Rolls and Cuts)
- Needlepoint
- Waffle Backing
- Total Thickness – 9mm
- Hot Metal Nut BS4790 low radius
- Colour Fastness Tested

For full specification details request a Boulevard 1500 sample card.



TEMPESTAS



CALCULUS



MARINUS



TERRA

The Gradus Matting colour range is updated regularly to provide the specifier with the latest colour trends. Request a Gradus Matting Catalogue for current availability.



7 section



installation, cleaning & maintenance

Information and guidelines on typical installation methods and recommended cleaning methods and frequencies.

	Page
installation	164
life cycle costings	165
cleaning & maintenance	165

installation instructions

Full installation instructions are available for all products from Technical Services. **The following information is intended as a guide only to aid specification.** For technical advice on adhesives or adhesive application, contact the relevant adhesive manufacturer. As standard practice, prior to commencing an installation, the substrate should be flat, sound, dry and free from contaminants. Serious irregularities should be made good first.

Stair Edgings (rigid) are both mechanically fixed and adhered with a suitable cartridge adhesive. For exterior applications, a suitable exterior grade adhesive should be used.

Folostair stair edgings are installed using tile adhesive at the same time as the floorcovering. Cartridge adhesive or silicone is used to secure the riser (if used).

Pvc (flexible) Stair Edgings are installed using contact adhesive only.

Welded Corners are adhered to the open string with a suitable cartridge adhesive.

Stairtile is installed using both screws and a cartridge adhesive. For exterior applications or wet areas, a suitable exterior adhesive should be used. The only exception to this is when dovetail profiles are cast-in during the manufacture of a pre-cast staircase.

Tread Alert is installed using adhesive only and should be installed in accordance with the guidelines shown on page 83.

Stair Rod Brackets are installed with screws and suitable cartridge adhesive. Note: stair rods are for decorative purposes only, therefore the floorcovering should be appropriately fixed in accordance with the manufacturer's instructions. If underlay is being used on the staircase, stair rod packers (SRP1) may need to be installed (see page 85).

Armaclad and **Standard Corner Guards** should be fixed using pre-bonded tape or with a suitable adhesive.

Titazel is an epoxy resin material and should always be installed above temperatures of 60°F/15.6°C, and once mixed has an open time of approximately one hour at room temperature. Application to the substrate should be with a flat trowel. The grit should then be sprinkled over the finished area before curing occurs.

Safety Track is bonded to a pre-applied Safety Track Primer, and should have the edges sealed with Safety Track Edge Sealant in order to prevent the ingress of moisture which will affect adhesion. Safety track must not be installed at temperatures below 5°C.

Pvc Skirtings are bonded to the substrate with a suitable contact adhesive. Set-in skirtings should be adhered to the wall and the floor prior to welding to the floorcovering. Sit-on and Flat skirtings should be adhered to the wall only.

Stratum and **Textura pvc Skirtings** are installed in the same way as pvc skirtings. Note: Textura skirtings are batched and care should be taken to ensure that materials are from the same batch prior to commencing installation.

Capping Seals are installed with contact adhesive only.

Carpet Caps (both aluminium and PVC-u) should be installed with screws and cartridge adhesive.

Tile Caps are installed with screws and cartridge adhesive.

Cove Formers are installed with contact adhesive.

Clip-Top and **Clip-Top fx** floor trims consist of a two or three-piece system – either a PVC-u or aluminium base, and PVC-u or bronze top. In all cases, the bases should be installed with both screws and cartridge adhesive. The tops are then fixed to the base once the adhesive has cured (using a PVC-u joining section in the case of several of the bronze profiles).

MTS, Euro-Clip and **PPS** are two-piece systems, consisting of an aluminium or PVC-u base, and aluminium top with various finishes. The bases are fixed using both screws and cartridge adhesive. The tops are then fixed to the bases once the adhesive has cured.

Cable Ducts are predominantly two-piece systems consisting of a PVC-u base and PVC-u top. TD profiles (PVC-u base) are installed using screws and cartridge adhesive, and the top should be fitted once the adhesive has cured. RD profiles (PVC-u base) are installed on top of the floorcovering. CD65 is a one-piece cable duct usually laid on to the surface of the floorcovering. For advice on installing RD profiles or CD65 please contact Technical Services.

Matwell Frames are mechanically fixed to the subfloor prior to the screed or plywood build-up of the matwell base to suit the matting to be installed. Frames should be fixed to the correct levels taking into account the finished floor level and surrounding floor finish.

Aluminium, Stainless Steel and **Bronze Floor Trims** are fixed using both screws and cartridge adhesive, with the exception of: ACS, BCS, SCS and AR profiles, which should be fixed with screws only; CP profiles which should be fixed on one side only with either screws or adhesive; SP profiles are fixed with cartridge applied silicone sealant; CU and ZR profiles are installed using tile adhesive at the same time as the floorcovering.

Pvc (flexible) Floor Trims (e.g. carpet tile edge, ramp edge, feather edge strips, bevelled underlay) are fixed with contact adhesive only.

PVC-u (rigid) Floor Trims (e.g. PET276, GR61R/M/T, DT50) are fixed with both screws and cartridge adhesive.

Construction Joint Covers (EJC profiles) are adhered only using contact adhesive, applied to the rigid outer sections only. Note: EJC profiles are not recommended for structural expansion joints.

life cycle costings, cleaning & maintenance

life cycle costings

Gradus Accessories products represent exceptional value for money throughout their lifetime. All Gradus Accessories products should be maintained in accordance with the maintenance instructions below. The frequency of cleaning will be dependent on individual installation factors such as location and the type/frequency of traffic. The frequencies shown below represent typical examples based on an average installation. The cleaning methods and frequencies should be adopted as part of the regular cleaning regime of the building and be considered as an integral part of the overall life cycle costing for the floorcovering package.

For further information and assistance in compiling life cycle costings contact Gradus Technical Services.

cleaning & maintenance

IMPORTANT Do not use solvent cleaner of any description to clean Gradus products. Floor sealants and polishes should not be used as these will reduce slip resistant properties and could prove hazardous. Particular care should be taken to avoid cross contamination occurring during the cleaning of other adjacent surfaces.

stair edgings

All stair edgings and floor trims provide an essential slip resistant function and therefore a regular cleaning and maintenance programme is essential to avoid the build up of dirt and/or grease, which will be detrimental to the slip resistance of the product. In a typical application, all stair edgings and floor trims should be cleaned at least once per week to prevent the build up of dangerous contaminants and to help ensure appearance retention.

Inserts - all Gradus stair edging inserts and Stairtile should be cleaned with a neutral detergent. The surface must then be thoroughly rinsed off with clean water and must be fully dry before use. For full cleaning and maintenance instructions contact Gradus Technical Services.

Aluminium Channel - may be lightly burnished with steel wool to help maintain its appearance.

Bronze Channel - to ensure appearance retention channel should be cleaned regularly with a proprietary metal polish and soft cloth. Particular care must be taken to avoid contact with the stair edging insert to prevent contamination, discolouration and a reduction in slip resistance. Alternatively, bronze channels may be left to oxidize naturally.

Chrome Channel - to maintain the appearance of chromed channels Gradus recommends the use of a proprietary cleaning solution for chrome surfaces or mild detergent and water, stubborn marks being encouraged by use of a green scotch pad.

PVC-u Channel - stubborn marks can be removed by diluted mild detergent and a green scotch pad. Once the area is clean, ensure that the surface is fully dry. Due to the physical properties of PVC-u, it is recommended that the green scotch pad is changed at regular intervals.

skirtings, capping strips and wall protection

All Gradus standard, decorative pvc and metal skirtings should be cleaned with a neutral detergent and a soft cloth. The frequency and degree of cleaning required will be dependent on the frequency and type of traffic in a particular application. The cleaning method and frequency should be adopted as part of the regular cleaning regime of the building. For cleaning instructions for stainless steel skirtings contact Gradus Technical Services.

tread alert and transition strips

Gradus Tread Alert and transition strips provide an essential slip resistant function and therefore a regular cleaning and maintenance programme is essential to avoid the build up of dirt and/or grease which will be detrimental to the slip resistance of the product. In a typical application Gradus Tread Alert and transition strips should be cleaned once per week to prevent the build up of dangerous contaminants and help ensure appearance retention. Tread Alert and transition strips should be cleaned with a neutral detergent until all dirt and contaminants are removed. The surface must then be thoroughly rinsed off with clean water and must be fully dry before use. Some Gradus transition strips are either partly or wholly made from aluminium or bronze. In these cases the instructions for cleaning stair edging channels of the same material can be adapted, paying particular attention to avoid contamination of adjacent materials. For cleaning instructions for stainless steel profiles contact Gradus Technical Services.

Matting

Cleaning instructions for barrier matting contact Gradus Technical Services.



for full details on specific products

contact technical services on **01625 428922**



8 section



specification guidelines, design service and CPD

Information on the most relevant building regulations and standards and how they impact upon the selection of Gradus products to help achieve an inclusive environment in line with the Disability Discrimination Act 1995 (DDA). Details of the Gradus Design Service and RIBA assessed CPD seminars.

the gradus guarantee

All Gradus products are designed to meet the latest UK building regulations. Accessibility to buildings, as well as the provision of an inclusive environment for all, is now a requirement of the building regulations (ADM 2004 & BS8300). Gradus is actively seeking the advice of JMU Access Partnership and The Centre For Accessible Environments, and has consulted directly with Communities & Local Government (formerly the Office of the Deputy Prime Minister). Gradus is confident that all stair edgings, pvc skirtings and transition strips meet the necessary standards and, as such, building owners and specifiers can use Gradus Accessories with confidence.

	Page
specification guidelines	
The Building Regulations 2000 - Approved Document M	168
BS8300 : 2001	169
BRE	170
Design Service	171
RIBA CPD Assessed Seminars	172 - 173
Index	175 - 176

specification guidelines

The Building Regulations and British Standards - specifying the right gradus product

The Building Regulations and British Standards are designed to ensure the optimum specification of products through a combination of legislative requirements and guidance. The following extracts have been taken from The Building Regulations 2000 and British Standard BS8300:2001 and show how Gradus products can be used to help satisfy these requirements, and help achieve an inclusive environment in line with the Disability Discrimination Act 1995 (DDA). For further details on this or any other aspect of The Building Regulations and British Standards contact Gradus Technical Services on 01625 428922.

Extracts from the Building Regulations

The Building Regulations 2000 - Approved Document M "Access to and use of buildings" (Effective May 2004)

Building owners have a legal duty to ensure all people can gain access to and use a building and its facilities.

Approved documents are intended to provide guidance and much of the guidance in Approved Document M is based on BS8300:2001. The main points relating to stair and stepped access that are detailed in Approved Document M are shown below, with supporting recommendation by Gradus (shown in blue text).

Stepped Access

- 1-27 People with impaired sight risk tripping or losing their balance if there is no warning that steps provide a change in level.
Use of a stair edging that contrasts with the surrounding tread/riser material will help to clearly define the step edge and warn of a change in level.
- 1-29 Materials for treads should not present a slip hazard, especially when the surface is wet.
Gradus provides a range of inserts for use in interior (dry and wet) and exterior conditions (see page 11).
- 1-30 People should easily be able to appreciate where to place their feet by highlighting nosings and avoiding open risers.
Use of a stair edging that contrasts with the surrounding tread/riser material will help to clearly define the step edge. Both the insert and channel of the stair edging should be of a suitable contrast to the surrounding floor finishes. ADM directly refers to colour contrast in the definitions section stating that:
'Contrast visually, when used to indicate the visual perception of one element of a building, or fitting within the building, against another means that the difference in light reflectance value between the two surfaces is greater than 30 points.'
All Gradus stair edging colours have been measured to provide Light Reflectance Values* in order to provide the specifier with information to ensure that suitable contrast is achieved with the surrounding stair material.
**These values have been determined with reference to the CIELAB colour measurement method. The L co-ordinate represents lightness and extends from 0 (black) to 100 (white) and has been used as a measure of light reflectance value. Care should be taken that the same method of measurement has been used for the surrounding floorcovering in order to ensure that suitable colour contrast is achieved.*
- 1-33 (i) All nosings are made apparent by means of a permanently contrasting material 55mm wide on both the tread and the riser.
The 55mm dimension detailed is guidance only and other factors should be taken into consideration when specifying stair edgings such as step dimension, type and frequency of traffic. Communities and Local Government (formerly The Office of the Deputy Prime Minister) also acknowledges that advice given by other expert bodies should be taken into consideration, for example the JMU Access Partnership who state that the ideal dimension for a stair edging is 55mm on the tread and 30-50mm on the riser. If 55mm profiles are required they are available in the Gradus range (see pages 15, 16, 19, 20, 24 and 41).

Source: Building Regulations - Access to and use of buildings - Approved Document M - 2004 Edition
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for full details on specific products
contact technical services on **01625 428922**

Extracts from The Building Regulations continued...

Entrance Lobbies

- 2-29 (e) Floor surface materials within the lobby do not impede the movement of wheelchairs e.g. not coir matting, and changes in floor materials do not create a potential trip hazard.

The majority of Gradus mats are suitable for use with wheelchairs.

- 2-29 (f) The floor surface helps to remove rainwater from shoes and wheelchairs.

A combination of Gradus primary and secondary barrier matting will help prevent the ingress of rainwater.

- 2-29 (g) where matwells are provided, the surface of the mat is level with the surface of the adjacent floor finish.

Gradus offers a range of matwell frames and primary barrier mats designed to work together to provide a smooth transition to the surrounding floor finish.

Corridors and Passageways

- 3-12 In order to help people with visual impairment to appreciate the size of a space they have entered, or to find their way around, there should be a visual contrast between the wall and floor.

Gradus skirting profiles are available in a wide choice of colours and will provide a suitable colour contrast, helping define where the floor ends and the wall begins.

*Source: Building Regulations - Access to and use of buildings - Approved Document M - 2004 Edition
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Extracts shown below represent examples of good practice.

BS8300 : 2001

Design of buildings and their approaches to meet the needs of disabled people -

Code of Practice.

This standard provides guidance or good practice in the design of domestic and non-domestic buildings and their approaches so that they are convenient to use by disabled people. Gradus advice and recommendations are **shown in green text**.

Landings

- 8.1.5 For buildings, other than dwellings or other residential buildings, the top landing of a flight of stairs should be provided with a hazard warning modelled on Tactile paving detailed in Guidance on the use of Tactile paving surfaces and positioned at least 400mm from the nosing.

Tread Alert has been designed to meet the requirements of "Guidance on the use of Tactile paving surface". See page 82 for details.

Surface Finishes

- 8.1.8 The use of shiny, polished surface materials that cause glare should be avoided.

The type and position of surrounding lighting will significantly influence glare. Hardnose stair edgings can provide an ideal solution for stairs where glare may be considered a problem.

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specification guidelines *continued...*

BRE - research and guidelines

BRE has published an information paper (ref. IP15/03) entitled "Proprietary nosings for non-domestic stairs". This paper provides guidance to designers and building managers on the best way to assess the types of proprietary nosings that should be provided on non-domestic stairs.

Gradus has combined the key findings of this report with in-house research and development, and as a result has developed the XT range of profiles.

Detailed below is an overview and summary of the key findings in the BRE information paper.

overview

The study considered the dynamics of pedestrian stair use. Previous studies have shown that 80% of slips on stairs are likely to occur when users are descending the stairs. This usually occurs as a result of an overstep (i.e. when a substantial portion of the foot overhangs the tread). Therefore as the going (tread width) becomes narrower the likelihood of a slip incident becomes greater. Where the going is less than 300mm the risk of slip is increased. Most non-domestic stairs have a going of between 250mm and 280mm. The risk of slip is further increased if the tread surface is smooth, becomes wet or there is a lack of clear colour contrast at the step edge.

Diagram to show how a typical overstep situation can occur when the going is less than 300mm.

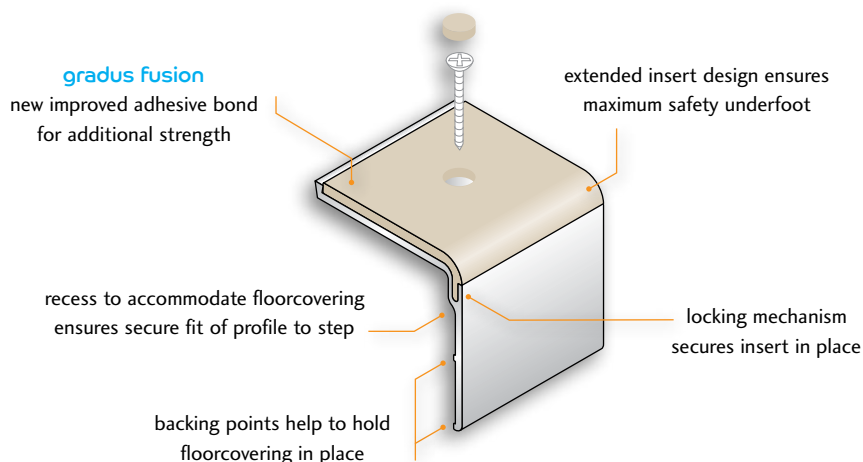


conclusion

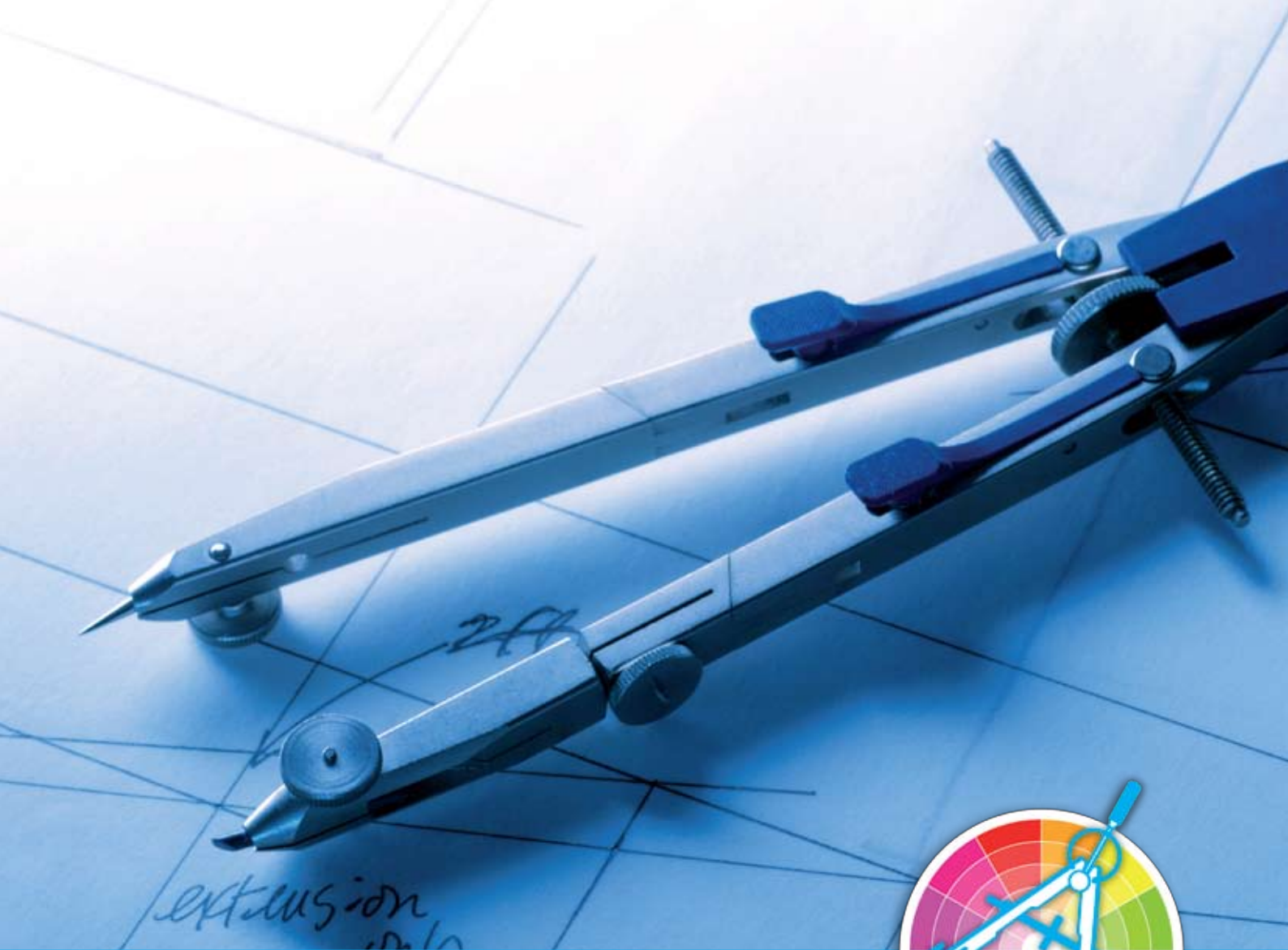
The application of a proprietary nosing may reduce the risk of slipping against the factors highlighted above. The proprietary nosing should incorporate a slip resistant material that should extend to the point at which it meets the vertical face to minimise the risk of slip in descent. Proprietary nosings should all offer a colour contrast to clearly highlight the step edge.

gradus recommendation

The **XT range** of stair edgings (see pages 14 to 17) offers a new edge in safety for stairs and has been developed to take into account the latest guidance contained in both the BRE information paper IP15/03 and in The Building Regulations 2000 - Approved Document M.



Extracts from BRE Information Paper IP15/03, Proprietary nosings for non-domestic stairs, copyright BRE, reproduced by permission. IP15/03 is available from IHS BRE Press, Bracknell RG12 8FB, www.ihsbrepres.com



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I am interested in booking the following seminars (please tick):

- 1 The Specification of Stair Edgings and Associated Products: *Safety, Legislation, Performance and Aesthetics*
- 2 The Specification of Barrier Matting Systems: *Safety, Legislation, Performance and Aesthetics*
- 3 The Specification of Wall Protection Systems: *Safety, Legislation, Performance and Aesthetics*
- 4 The Specification of Pvc Skirtings and Transition Strips
- 5 Cork Flooring: the ecological flooring with natural benefits

Attendance at one of these seminars will provide specifiers with an overview of the products available, plus information on the technical aspect of their use, installation and specification. All seminars are supported with a back-up pack, a copy of which is provided for each attendee, plus a certificate confirming attendance.

The seminars are approximately one hour long and are generally undertaken at your offices during a lunchtime session – with lunch provided by Gradus.

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A		
ACC40	110	
ACC50	110	
Access 5000	159	
Access 6000	159	
ACS38	143	
ACS52	143	
ACT48	147	
ACT61	146	
ACT81	146	
ADM1	19	
ADM2	20	
ADM3	24	
ADM4	24	
ADM5	19	
ADM6	19	
ADXT1	15	
ADXT2	15	
ADXT3	16	
ADXT4	16	
AFT	123, 124	
AFT12	122	
AFT13	122	
AFT14	122	
AFT15	123, 124, 125	
AFT17	123, 124	
AFT45	123, 124, 125	
AFT55	125	
AFT65	125	
AFT336	127	
AFT339	127	
AFT3312	127	
AFTB43	121, 122	
AK5	20	
AK5A	20	
AK50A	19	
AK52	20	
AKXT5A	15	
AKXT50A	15	
AKXT52	15	
Allite Stair Edgings	76-79	
ALLO20	78	
ALLO25	78	
ALLO26	78	
ALLO29	78	
ALLO31	79	
ALLO33	78	
ALLO35	78	
ALL 11" Mat	79	
ALL236	79	
ALL294	79	
ALL295	79	
ALL297	79	
ALL298	79	
ALL299	79	
Aluminium Stair Edgings	14-33	
ANT27	145	
ANT355	53, 145	
AR10	21	
AR260	143	
AR3	21	
AR32	21	
AR7	21	
AR8	21	
AR81	21	
ARM150T	113	
ARM200T	113	
Armaclad	113	
ARXT81	15	
AS1	20	
AS10	19	
AS11	19	
AS1106L	66	
AS12	19	
AS19	19	
AS2	20	
AS20	19	
AS21	20	
ASXT11	15	
ASXT12	15	
ASXT20	15	
AT1218L	66	
AT718L	67	
ATB33/12	131	
ATB33/16	131	
ATD121L	66	
ATF71L	67	
ATNG71L	67	
ATR45/12	130	
ATR50/16	130	
ATT42/12	129	
ATT42/16	129	
AVR5020	152	
B		
BA 1000 AS	105	
BA 600 AS	105	
BA 600 IL	105	
BA 800 AS	105	
BA 800 IL	105	
BAK5A	38	
BAR3	38	
Barrier Matting Systems	158-161	
BAS1	38	
BAS11	38	
BAS2	38	
BAS20	39	
BCS25	143	
BCS38	143	
BCS52	143	
BCT16	53, 145	
BCT18	145	
BCT28	147	
BCT38	147	
BCT48	147	
BCT61	146	
BCT81	146	
BFT36	121	
BFT43	121	
BG511	39	
BG532	39	
BG551	39	
BGR121	39	
BI 1000 ASN	106	
BI 700 ASN	106	
BI 800 ASN	107	
BI 800 A50	107	
BI 800 RO	107	
BI 800 RON	107	
BIB 800 ASN	107	
Bio-Trust Skirtings	97	
Boulevard 1500	161	
Boulevard 5000	161	
Boulevard 6000	161	
BRE Summary	170	
Bronze Stair Edgings	36-39	
BRT52	122	
BS8300 : 2001	169	
BT42	51	
BU200	52, 155	
BU800	52, 155	
Building Regulations	168-169	
C		
CA71	29	
Cable Ducts	138-139	
Capping Strips	108-111	
CC40	110	
CC75	110	
CCF 100 1	109	
CD65	139	
CF20	111	
CF 32P	111	
CF38	111	
CG1042	53, 145	
Chrome Stair Edgings	34-35	
CLO5/LB10	69	
CLC13/LB20	69	
CLC13/LB45	69	
CLC16/LB20	69	
CLC16/LB45	69	
CLC20/LB45	69	
Cleaning & Maintenance	165	
Clip-Top	120-125	
Clip-Top fx	126-127	
CLS13/LBS45	69	
CLS16/LBS45	69	
CLS20/LBS45	69	
Company Profile	2-3	
Corner Guards	113	
CP 100 IL	144	
CP 100 OL	144	
CP 60 IL	144	
CP 60 OL	144	
CP 80 AS	144	
CP 80 IL	144	
CP 80 OL	144	
CPD Seminars	172-173	
CR5	85	
CSI 100 50 2	98	
CSI 100 50 2 A	97	
CSI 100 50 2.25	98	
CSI 100 50 2.25 A	97	
CSO 100 P	101	
CSO 60 P	101	
CT52	28	
CT71	29	
CT712	28	
CT717	29	
CT727	28	
CT75	29	
CT78	29	
D		
DDA1	41	
DDA2	41	
DDA3	41	
DDA4	41	
Design Service	171	
DFT	124	
DFT80	124	
DFTB70	121	
DLA15	69	
DLA25	69	
DLA35	69	
DLA45	69	
DT50	154	
E		
EAR 11 40	31	
EAR 31 50	31	
EJC 125	155	
EJC 50	155	
EJC 75	155	
EJC 75 3.2	155	
ELA 11 40	30	
ELA 1155 50	32	
ELA 117 50	33	
ELA 12 40	30	
ELA 127 40	32	
ELA 31 40	30	
ELA 32 40	30	
ELA 51 40	30	
ELA 5155 50	32	
ELA 517 50	33	
ELA 51X 50	31	
ELA 52 40	30	
ELA 71 65	31	
ELA 72 40	32	
ELA 81 50	31	
ELA 911 50	33	
ELA 931 50	33	
ELACS 50 40	137	
ELAR 709 40	137	
ELAR 75 40	137	
ELAR 7510 40	137	
ELB 11 40	37	
ELB 31 40	37	
ELB 51 40	37	
ELB 717 50	37	
ELB 727 40	37	
ELB 78 50	37	
ELM 11 50	43	
ELM 117 50	43	
ELM 51 50	43	
ELM 517 50	43	
ELM 81 50	43	
ELM 817 50	43	
ELR 11 40	44	
ELR 11 50	44	
ELR 1155 50	45	
ELR 117 50	45	
ELR 31 40	44	
ELR 51 40	44	
ELR 51 50	44	
ELR 5155 51	45	
ELR 517 50	45	
ELR 725 40	44	
ELR 727 40	45	
ELR 81 50	44	
ELR 817 50	45	
Esplanade 1500	159	
Esplanade Plus 5000	159	
Esplanade Plus 6000	159	
Euro-Clip	132-135	
Eyedeals	70-71	
F		
Fabrications	54	
FA16	147	
Flexible pvc Stair Edgings	46-47	
Folostair Stair Edgings	80-81	
FRA031	141	
FRB026	141	
FS 100 B	99	
FS 100 2 P	101	
FS 150 B	99	
FS 303	99	
FS 303 P	101	
FS 75 2 P	101	
FSA50AS	81	
FSF100A	81	
FSF125A	81	
FSF80A	81	
FSL100A	81	
FSL125A	81	
FSL80A	81	
FT19	123	
FTB16	121	
FTB20	121, 122	
Fusion	10	
FXB336	127	
FXB339	127	
FXB3312	127	
FXR40	127	
FXT21	127	
FXT31	127	

index 2 of 2

G			
G11	24	MCS48	109
G12	24	Measuring & Templating	54
G317	25	Metal Skirtings	104-107
G32	25	MT42	51
G33	26	MTS	128-131
G332	26		
G41	24	N	
G51	24	NAE	85
G52	24	NBE	85
G54	25	NSRB	85
G65	25		
G72	25	O	
GC11	35	OT/D	75
GC317	35	OT/F	75
GC51	35	OT/R	75
GCR81	35	OT/RDG	75
GR12	27		
GR37	27	P	
GR61	27	PCR632	154
GR62	26	PCR932	154
GR8	27	PCS40	109
GR81	27	PCS40A	97, 109
GR91	26	PCS40P	109
GRXT81	16	PET276	53, 153
GT61M	153	PG1	25
GT61R	153	PG2	25
GT61T	153	PK50	47
GXT11	16	PK75	47
GXT12	16	PKS50	47
GXT51	16	PKS75	47
GXT52	16	PM60	47
		PPS System	132-135
H		PR50	47
Hardnose Stair Edgings	40-45	PR65	47
HCS48	109	PR75	47
HD1	23		
HD2	23	R	
HE1	23	RAM012	141
HE2	23	Ramping Frames	140-141
HM1	23	RD100	139
HM2	23	RD75	139
HT38	50	RMF50	141
HT42	51	RN311	42
HT44	50	RN351	42
		RN511	42
I		RN527	42
Installation Guidelines	164	RN551	42
		RN581	42
K		RN711	42
KA386	134	RN727	42
KA386L	134	RN751	42
KA586H	134	RN781	42
KA586LH	134	RNC511 55 40	41
KB387	135	RNC551 55 40	41
KB387L	135	RNRC511	41
KB587H	135	RNT1218L	66
KB587LH	135	RNT718L	67
KC388	133	RT35M	122
KC388L	133	RT46	125
KC588H	133	RT55	125
KC588LH	133		
L		S	
LED Lighting	59-71	Safety Track	87
- Step Systems	60-67	SCSM474	143
- Aisle & Floor Trims	68-69	SCSM475	143
- Eyeleds	70-71	SCSM451	143
Life Cycle Costings	165	SCSM454	143
		SCSM455	143
M		SCSP451	143
Maintenance	165	SCSP454	143
Matting	158-161	SCSP455	143
Matwell Frames	140-141	SD1	22
MCC40	110	SD2	22
MCC75	110	SE1	22
		SE2	22
		SI 100	98
		SI 100 32	98
		SI 100 50 2	98
		SI 100 50 2 A	97
		SI 100 50 2 P	100
		SI 100 50 2.5	98
		SI 100 50 2.5 P	100
		SI 100 50 3.2	98
		SI 100 50 3.2 P	100
		SI 100 55	98
		SI 100 55 A	97
		SI 150	98
		SI 150 50 2 P	100
		SJ 100 IL	149
		SJ 100 ON	149
		SJ 125 IL	149
		SJ 125 ON	149
		SJ 80 IL	149
		SJ 80 ON	149
		Skirtings	89-107
		Slip Resistant Surface Finishes	86-87
		SM1	22
		SO 100	99
		SO 100 A	97
		SO 100 EG	99
		SO 100 P	101
		SO 150	99
		SO 25	99
		SO 75	99
		SO 75 P	101
		SP 14 AS	148
		SP 14 IL	148
		SP 14 OC	148
		SP 14 OL	148
		SP 20 AS	148
		SP 20 IL	148
		SP 20 OC	148
		SP 20 OL	148
		SP 26 OL	148
		Specialist Floor Trims	142-155
		Specification Guidelines	168-170
		SRP1	85
		Stair Edgings	7-47
		Stair Edging Materials	57
		Stair Edging Selection Guide	56
		Stair Rods	84-85
		Stairtile	74-75
		Stair Trims	48-53
		STM 75 10	95
		STM 100 10	95
		Stratum Skirtings	94-95
		T	
		T200	154
		T250	154
		T300	154
		T450	154
		T600	154
		TA1	50
		TA16	146
		TA2	50
		TA2C	50
		TA25	146
		TA42	17, 51
		TA5	50
		TA5B	17, 50
		TA5C	50
		TA50	51
		TA6	52, 147
		TA66	51
		TA8	147
		TA9	52
		TAC42	35, 51
		TAXT42	17
		TAXT5B	17
		TC1	17, 35, 51
		TC2	51
		TC47	111
		TC48	111
		TD45	139
		TD60	139
		TDB45	139
		TDB45D	139
		TDB60	139
		TE1	77
		TE4	77
		TE5R	77
		Textura Skirtings	102-103
		TH495	153
		Titazel	87
		Topguard	160
		Topguard Plain	160
		TP32	50
		TR45AND	152
		TR100AND	152
		TR100ANSB	152
		TR125AND	152
		TR125ANSB	152
		TR45ANSB	152
		TR60AND	152
		TR60ANSB	152
		TR80AND	152
		TR80ANSB	152
		Trans-Edge	136-137
		Transition Strips	115-155
		Tread Alert	82-83
		TT25M	122
		TT37	124
		TXDFS 100	103
		TXHCS48	109
		TXSI 100 50 2	103
		TXSO 100P	103
		Tyreguard	160
		U	
		UMFA12	141
		UMFA18	141
		UMFA25	141
		V	
		VAE	85
		VBE	85
		VSRB	85
		W	
		Wall Protection Systems	112-113
		Welded Corners	48-51
		Welded Returns	55
		WTB33/12	131
		WTB33/16	131
		WTR45/12	130
		WTR50/16	130
		WTT42/12	129
		WTT42/16	129
		X	
		Xtra-Grip Insert	11, 13
		Z	
		ZR 100 AN	150
		ZR 100 AS	151
		ZR 100 IL	151
		ZR 100 ON	150
		ZR 125 IL	151
		ZR 125 ON	150
		ZR 150 ON	150
		ZR 80 AN	150
		ZR 80 AS	151
		ZR 80 IL	151
		ZR 80 ON	150

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