

# STOPGAP Selector Chart

## How to use this chart

STOPGAP Range																	
BALL F. Ball and Co. Ltd.		GENERAL PURPOSE UNDERLAYMENTS			HIGH PERFORMANCE UNDERLAYMENTS										REPAIR AND FINISHING COMPOUNDS		
		Light/Medium-Duty		Heavy-Duty													
		STOPGAP RED BAG	STOPGAP GREEN BAG	STOPGAP GREEN BAG	STOPGAP FAST-TRACK II	STOPGAP 100 RAPID	STOPGAP 200 SMOOTH POWDER AND ACRYLIC LIQUID	STOPGAP 300 HD	STOPGAP 600 BASE	STOPGAP 700 SUPERFLEX	STOPGAP 800 WEARCOAT	STOPGAP 850 EXTERIOR	STOPGAP 1050 LITE	STOPGAP 400 RAPID	STOPGAP 500 MICRO	STOPGAP 800 WEARCOAT	STOPGAP 850 EXTERIOR
		+ WATER	+ WATER	+ WATER	+ WATER	+ WATER	+ WATER	+ WATER	+ WATER	+ WATER	+ WATER	+ WATER	+ WATER	+ WATER	+ WATER	+ WATER	+ WATER
TECHNICAL CHARACTERISTICS	Product Features	Self-smoothing Economy	Fast Setting Universal	Fast Setting Universal	Rapid Setting Rapid Drying	Ultra Fast Drying Self-levelling	Acrylic Self-levelling	Fast Drying Self-levelling	Thick Section Fast Drying	Flexible Fibre reinforced	Lightweight Self-smoothing	Compatible with other high/low Beams	Stamp Free Rapid Drying	Feather Edge Rapid Drying	Wearing Surface Self-levelling	Exterior Use	
	Working Time at 20°C (min)	15-25	15-20	15-20	10-15	15-25	30-30	20-30	20-30	20-30	15-25	20-30	10-15	15-20	20-30	10-15	
	Time to Foot Traffic at 20°C - approx (hrs/min)	3hrs	90min	90min	30min	90min	90min	90min	3hrs	45min	2hrs	2hrs	20-30min	25min/Min Coat	90min	2hrs	
	Time to cover with a floorcovering or seal - approx (hours)	Absorbent 24	12	12	45	15	6	6	6-24 <sup>(1)</sup>	3	24	24-48	1% @ 3mm	25min/Min Coat	6	24	
	Application Thickness	Non-absorbent	n/a	24	24	40	12	12	4	4	24-48	1% @ 3mm	25min/Min Coat	6	n/a		
		Min (mm)	3	3	3	2-3	2-3	2-3	5	2-3	3	2-3	2-3	Min Coat	5	5	
		Max (mm)	6	15	15	10	10	15	15	50	10	30	10	30	15	15	
	Can be Filled	Up to 10mm	Up to 20mm	Up to 20mm	No	No	Up to 20mm	Up to 20mm	No	No	No	Up to 20mm	Up to 30mm	No	No	Up to 30mm	
	Suitable for Biologically Sensitive Areas	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Coverage at 3mm per bag (m <sup>2</sup> )	4.8	5.0	5.0	5.4 @ 2mm	5.2	4.8	5.0	2.8 @ 3mm	4.8	4.4	5	n/a	n/a	3.0 @ 3mm	2.9 @ 3mm	
Suitable for Pump Application	Yes	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes		
Suitable for High Temperature areas e.g. conservatories	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Yes		
Compressive Strength 28 Day (N/mm <sup>2</sup> )	30	30	25	35	40	30	35	30	30	20	30	30	7	40	25		
Flexural Strength 28 Day (N/mm <sup>2</sup> )	5	5	7	10	10	7	8	7	10	5	7	4	3	10	8		
EN 13813 Class / EN 1504-3 Class	CT-CB-F5	CT-CB-F5	CT-CB-F7	CT-CB-F10	CT-CB-F10	CT-CB-F7	CT-CB-F7	CT-CB-F7	CT-CB-F10	CT-CB-F5	CA-CB-F7	CT-CB-F4	CT-CF-F3	CT-CB-F10-AR63	Class R2		
SUBFLOOR SUITABILITY + PRIMER RECOMMENDATION																	
TYPE	Concrete, Sand/Cement Screeds and Other Solid Absorbent Surfaces	Dilute P131	Dilute P131	Dilute P131	Dilute P131	Dilute P131	Dilute P131	Dilute P131	Dilute P131	Dilute P131	Dilute P131	Dilute P131	Dilute P131	Apply Direct to Damp Surface or Dilute P131	Apply Direct to Surface	Dilute P131	Dilute P131
	Non-absorbent Surfaces e.g. Terrazzo, Ceramic Tiles	n/a	Neat P131	Apply Direct	Neat P131	Neat P131	Neat P131	Neat P131	Neat P131	n/a	Neat P131	Neat P131	Neat P131	n/a	Neat P131	n/a	
	Power Floated Concrete (shot blasted)	n/a	Dilute P131	Dilute P131	Dilute P131	Dilute P131	Dilute P131	Dilute P131	Dilute P131	n/a	Dilute P131	Dilute P131	Dilute P131	Apply Direct	Dilute P131	Dilute P131	
	Calcium Sulphate e.g. Anhydrite Screeds	n/a	Neat P131	Neat P131	Neat P131	Neat P131	Neat P131	Neat P131	n/a	n/a	Neat P131	Neat P131	n/a	n/a	n/a	n/a	
	Minimal Adhesive Residues on solid base	n/a	Neat P131	Apply Direct <sup>(1)</sup>	Neat P131	Neat P131	Neat P131	Neat P131	Neat P131	n/a	Neat P131	Neat P131	n/a	n/a	n/a	n/a	
	Stopgap F75, F76 or F75HP Waterproof Surface Membrane	n/a	Neat P131	Neat P131	Neat P131	Neat P131	Neat P131	Neat P131	Neat P131	n/a	Neat P131	Neat P131	n/a	n/a	n/a	n/a	

The chart can be used to select the most appropriate smoothing underlayment repair compound or finishing compound for the job in hand.

The main points to consider are given below:

- 1 Type of subfloor
- 2 Conditions of use:
  - Light to medium-duty – Foot and light wheeled traffic
  - Heavy-duty – Wheeled traffic
- 3 Key Product Features
- 4 Is a fast set required?
- 5 Is product specified for Biologically Sensitive Areas?
- 6 Compressive and flexural strengths required

The Stopgap range of floor smoothing underlayments and repair finishing compounds can be used to make good most subfloor deficiencies, enabling the provision of an ideal surface for the installation of decorative floorcoverings.

Stopgap smoothing underlayments fall into two broad categories, powders which are mixed with water and powders that are mixed with synthetic polymer liquids.

Because each Stopgap smoothing underlayment has a wide range of uses, their recommended areas of use overlap frequently. The choice of product will depend on factors such as price, the need to prime, self-smoothing qualities, setting time, hardness or preference of installer.



F. Ball and Co. Ltd.

## The Stopgap range consists of:

### Liquid Mix Products

#### STOPGAP GREEN BAG POWDER AND LIQUID

A fast setting low odour smoothing underlayment which has excellent self-smoothing properties. When mixed with 114 or 128 liquid it has a high strength making it suitable for areas subject to heavy-duty traffic.

<sup>(1)</sup> Marine approved only with STOPGAP 114 LIQUID.

When used with a STOPGAP 114 or 128, STOPGAP GRADED AGGREGATE can be added for an application thickness of up to 20mm.

#### STOPGAP 200 SMOOTH POWDER AND ACRYLIC LIQUID

A self-smoothing, rapid set underlayment suitable for heavy-duty interior use.

### Water Mix Products

#### STOPGAP RED BAG

An economical self-smoothing underlayment suitable for interior light traffic use. It can be used unfilled to 6mm thickness. Above 6mm and less than 10mm, STOPGAP RED BAG should be mixed with STOPGAP GRADED AGGREGATE.

#### STOPGAP FAST-TRACK 30

A rapid setting and rapid drying, self-levelling smoothing underlayment that incorporates the latest advances in cement technology providing a truly fast track solution.

Can be applied between 2mm and 10mm. Rapid drying technology allows foot traffic from 30 minutes and the bonding of textile and resilient floorcoverings from 45 minutes.

#### STOPGAP 100 RAPID

Ultra-fast drying smoothing underlayment which can be applied between 2mm and 10mm and is ready to receive floorcoverings in as little as 1 1/2 hours. Also suitable for pump application.

#### STOPGAP 300 HD

A self-levelling smoothing underlayment suitable for heavy-duty interior use.

STOPGAP 300 is designed to be mixed by hand or pump-applied. When a pump is used, large areas can be quickly covered. All subfloors should be primed.

#### STOPGAP 600 BASE

A base compound designed for use where floor levels need to be raised quickly and economically. Suitable for pump application.

STOPGAP 600 is fast drying and it should be capped with STOPGAP 30, 100, 200 or 300 smoothing underlayments or STOPGAP 800 prior to installing floorcoverings or seals.

Designed for application from a minimum of 5mm to a maximum of 50mm in one application.

#### STOPGAP 700 SUPERFLEX

Fast drying, flexible, fibre-reinforced self-smoothing underlayment, designed specifically for use over plywood and steel.

Can be applied between 2mm and 10mm. Due to rapid drying technology it is ready to receive most floorcoverings in as little as 3 hours. <sup>(1)</sup>

#### STOPGAP 800 WEARCOAT

A self-levelling commercial and industrial grade floor finish designed to provide a wearing surface in light to heavy-duty areas where floorcoverings are not required. STOPGAP 800 is dimensionally stable and can be sealed using STOPGAP SEAL for use in areas that may be subject to water or fluid spillages. Can be applied between 5mm – 15mm.

#### STOPGAP 850 EXTERIOR

A non structural exterior grade smoothing compound for use in light to medium duty applications, such as balconies, patios, garages or walkways.

It is also suitable for smoothing subfloors prior to the application of a suitable finished non-slip coating or external covering such as artificial grass. It is also suitable for internal applications over damp, uneven concrete and sand/cement screeds, prior to application of STOPGAP Waterproof Surface Membrane or ISOLATOR MEMBRANE.

#### STOPGAP 1050 LITE

A lightweight, self-smoothing underlayment designed to prepare internal absorbent and non-absorbent subfloors prior to the installation of a floorcovering in new build and refurbishment projects.

STOPGAP 1050 is suitable for light to medium-duty applications and offers a significant weight saving, with a cured density of 1050kg/m<sup>3</sup>, typically half of a conventional underlayment. <sup>(1)</sup>

#### STOPGAP 1100 GYPSUM

A self-levelling smoothing underlayment designed specifically for application over sound calcium sulphate (e.g. anhydrite) screeds prior to the installation of new floorcoverings.

STOPGAP 1100 GYPSUM is dimensionally stable and is supplied as a pre-blended dry powder, which is designed for application between 2 – 10mm. It is protein-free which allows it to be used in biologically sensitive areas such as hospitals.

### Repair Compound

#### STOPGAP 400 RAPID

A fast setting repair compound suitable for making good stairs and steps, filling cracks, forming ramps and falls and for general patching. Where required, it can be overlaid with any other STOPGAP smoothing compound as soon as walk-on hardness has been achieved – dependent up on conditions, but usually within 90 minutes.

### Finishing Compound

#### STOPGAP 500 MICRO

A rapid drying floor finishing compound. Water mix, it requires no priming and can be trowelled to form a finish with a feathered edge.

STOPGAP 500 will provide a uniform surface. Dries to allow the installation of floorcoverings after 25 minutes.

### Filled Mixes

Add STOPGAP GRADED AGGREGATE to STOPGAP GREEN BAG, STOPGAP RED BAG, STOPGAP 200, STOPGAP 300, STOPGAP 400, STOPGAP 850 or STOPGAP 1100.

### Cleaning

#### STYCCOCLEAN C140

A concentrated alkaline detergent liquid removes surface grease, oil, polish etc from subfloors.

### Priming

Priming may be necessary to control the absorption of porous subfloors and/or to improve the adhesion of the underlayment.

#### STOPGAP P131

General purpose primer, coloured green. Apply neat to non-absorbent surfaces and diluted 4 parts water to 1 part P131 over absorbent surfaces. Coverage per 5 litre bottle is 50m<sup>2</sup> neat and 100m<sup>2</sup> when dilute.

#### STOPGAP P121

Acrylic primer for anhydrite screeds. Coverage undiluted, approx. 50m<sup>2</sup> per 5 litre bottle.

### Waterproof Surface Membranes

#### STOPGAP F75

A two-coat, solvent free, two-part epoxy resin system ideal for fast track projects. Isolates residual construction moisture where relative humidity values exceed 92%. Suitable on floors with no DPM to suppress rising damp.

#### STOPGAP F76

A one-coat, solvent free, two-part epoxy resin system ideal for fast track projects. Isolates residual construction moisture where relative humidity values reach 92%.

#### STOPGAP F76HP

A one-coat ACCELERATED, solvent free, two-part epoxy resin system ideal for fast track projects. Isolates residual construction moisture where relative humidity levels reach 92%.

#### STOPGAP ACCELERATOR

Fast curing additive which considerably reduces the cure time of STOPGAP F75 and F76.

#### STOPGAP ISOLATOR MEMBRANE

An impervious loose lay sheet designed to be laid over damp or contaminated subfloors prior to the installation of sheet vinyl, sheet linoleum, rubber or carpet tiles.



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# STOPGAP Range



	GENERAL PURPOSE UNDERLAYMENTS			HIGH PERFORMANCE UNDERLAYMENTS								REPAIR AND FINISHING COMPOUNDS			
	Light/ Medium-Duty	Heavy-Duty		STOPGAP FAST-TRACK 30	STOPGAP 100 RAPID	STOPGAP 200 SMOOTH	STOPGAP 300 HD	STOPGAP 600 BASE <sup>(1)</sup>	STOPGAP 700 SUPERFLEX	STOPGAP 1050 LITE	STOPGAP 1100 GYPSUM	STOPGAP 400 REPAIR	STOPGAP 500 MICRO	STOPGAP 800 WEARCOAT	STOPGAP 850 EXTERIOR
	STOPGAP RED BAG	STOPGAP GREEN BAG	STOPGAP GREEN BAG												

TECHNICAL CHARACTERISTICS	Product Features		Self-smoothing Economy	Fast Setting Universal	Fast Setting Universal	Rapid Setting Rapid Drying	Ultra-Fast Drying Self-levelling	Acrylic Self-levelling	Fast Drying Self-levelling	Thick Section Fast Drying	Flexible Fibre-reinforced	Lightweight Self-Smoothing	Compatible with calcium sulphate floors	Slump Free Rapid Drying	Feather Edge Rapid Drying	Wearing Surface Self-levelling	Exterior Use	
	Working Time at 20°C (min)		15 – 25	15 – 20	15 – 20	10 – 15	15 – 25	20 – 30	20 – 30	20 – 30	20 – 30	15 – 25	20 – 30	10 – 15	15 – 20	20 – 30	10 – 15	
	Time to Foot Traffic at 20°C – approx (hrs/min)		3hrs	90min	90min	30min	90min	90min	90min	3rs	60min	2hrs	2hrs	20 – 30min	25mm Micro-Coat	90min	2hrs	
	Time to cover with a floorcovering or seal – approx (Hours)	Absorbent	24	12	12	45	1 ½	6	6	6 – 24 <sup>(1)</sup>	3	24	24 – 48	1 ½ @ 2mm	25mm Micro-Coat	6	24	
		Non-absorbent	n/a	24	24	60		12	12		4		n/a					
	Application Thickness	Unfilled	Min (mm)	3	3	3	2 – 3	2 – 3	2 – 3	2 – 3	5	2 – 3	3	2 – 3	2 – 3	Micro-Coat	5	5
			Max (mm)	6	15	15	10	10	15	15	50	10	30	10	20	Micro-Coat	15	15
		Can be Filled	Up to 10mm	Up to 20mm	Up to 20mm	No	No	Up to 20mm	Up to 20mm	No	No	No	No	Up to 50mm	Up to 50mm	No	No	Up to 50mm
	Suitable for Biologically Sensitive Areas		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Coverage at 3mm per bag (m <sup>2</sup> )		4.8	5.0	5.0	5.6 @ 2mm	5.2	4.8	5.0	2.8 @ 5mm	4.8	4.4	5.0	n/a	n/a	3.0 @ 5mm	2.9 @ 5mm	
Suitable for Pump Application		Yes	No	No	No	Yes	No	Yes	yes	No	No	Yes	No	No	Yes	Yes		
Suitable for High Temperature areas e.g. conservatories		No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Yes		
Compressive Strength 28 Day (N/mm <sup>2</sup> )		30	20	25	35	40	30	35	30	30	20	30	30	7	40	25		
Flexural Strength 28 Day (N/mm <sup>2</sup> )		5	5	7	10	10	7	8	7	10	5	7	4	3	10	6		
EN 13813 Class / EN 1504-3 Class		CT-C25-F5	CT-C20-F5	CT-C25-F7	CT-C35-F10	CT-C40-F10	CT-C30-F7	CT-C35-F7	CT-C30-F7	CT-C30-F10	CT-C20-F5	CA-C30-F7	CT-C30-F4	CT-C7-F3	CT-C40-F10-AR0.5	Class R2		

## SUBFLOOR SUITABILITY + PRIMER RECOMMENDATION

TYPE	Concrete, Sand/Cement Screeds and Other Solid Absorbent Surfaces		Dilute P131	Dilute P131	Dilute P131	Dilute P131	Dilute P131	Dilute P131	Dilute P131	Dilute P131	Dilute P131	Dilute P131	Apply Direct to Damp Surface or Dilute P131	Apply Direct to Surface	Dilute P131	Dilute P131	
	Non-absorbent Surfaces e.g. Terrazzo, Ceramic Tiles		n/a	Neat P131	Apply Direct	Neat P131	Neat P131	Neat P131	Neat P131	Neat P131	n/a	Neat P131	Neat P131	Neat P131	n/a	Neat P131	n/a
	Power Floated Concrete (shot blasted)		n/a	Dilute P131	Dilute P131	Dilute P131	Dilute P131	Dilute P131	Dilute P131	Dilute P131	n/a	Dilute P131	Dilute P131	Apply Direct	n/a	Dilute P131	Dilute P131
	Calcium Sulphate e.g. Anhydrite Screeds		n/a	Neat P121	Neat P121	Neat P121	Neat P121	Neat P121	Neat P121	n/a	n/a	Neat P121	Neat P121	n/a	n/a	n/a	n/a
	Minimal Adhesive Residues on solid base		n/a	Neat P131	Apply Direct <sup>(2)</sup>	Neat P131	Neat P131	Neat P131	Neat P131	Neat P131	n/a	Neat P131	Neat P131	Neat P131	n/a	n/a	n/a
	Stopgap F75, F76 or F76HP Waterproof Surface Membrane		n/a	Neat P131	Neat P131	Neat P131	Neat P131	Neat P131	Neat P131	Neat P131	Neat P131	Neat P131	Neat P131	Neat P131	n/a	Neat P131	n/a
	Flooring Grade Mastic Asphalt		n/a	Neat P131	Neat P131	n/a	Neat P131	Neat P131	Neat P131	n/a	n/a	Neat P131	Neat P131	Neat P131	n/a	n/a	n/a
	Steel (non-flexing, corrosion free and clean)		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Neat P131	Neat P131	n/a	n/a	n/a	n/a
	Plywood Overlays		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Dilute P131	n/a	n/a	Apply Direct	n/a	n/a

THIS CHART IS FOR REFERENCE ONLY. ALWAYS REFER TO THE CURRENT TECHNICAL DATA SHEET, SUBFLOOR PREPARATION GUIDE AND/OR OUR TECHNICAL SERVICE DEPARTMENT FOR SPECIFIC GUIDANCE.

<sup>(1)</sup> STOPGAP 600 is designed to be used in conjunction with STOPGAP FAST-TRACK 30, STOPGAP 100, STOPGAP 200, STOPGAP 300, STOPGAP 800. Time to cover is therefore dependent on combination used. n/a = not applicable or not recommended.

<sup>(2)</sup> At least 75% of the subfloor must be exposed and sound. **NOTE:** The Stopgap Selector Chart is for use by Flooring Contractors as a **GUIDE** to product selection. Please refer to individual datasheets or contact our Technical Service Department for detailed information.

STOPGAP GREEN BAG AND I 14 LIQUID, STOPGAP 700 and STOPGAP 1050 have been tested in accordance with IMO FTPC Part 6 (IMO Res. A687(17) and Annex 2, item 2.2 and approved for use in marine application by DNV.

