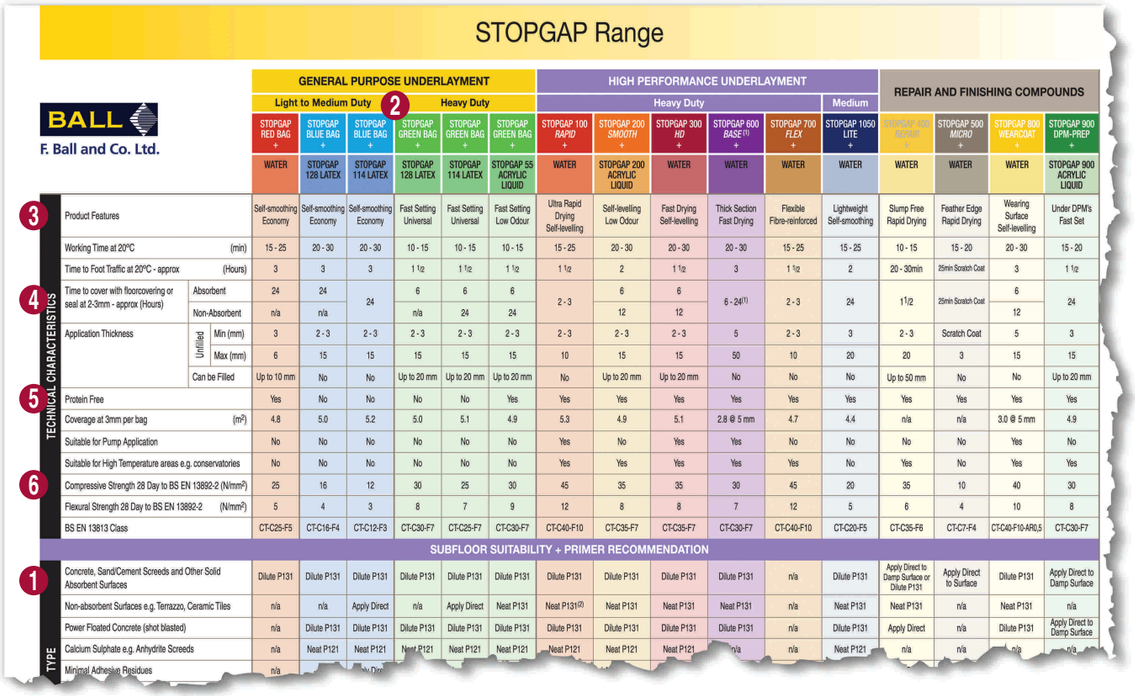
STOPGAP Selector Chart

How to use this chart



STOPGAP Range

			GENERAL PURPOSE UNDERLAYMENT						HIGH PERFORMANCE UNDERLAYMENT						REPAIR AND FINISHING COMPOUNDS			
			Light to Medium Duty (2) Heavy Duty						Heavy Duty					Medium				
			STOPGAP RED BAG +	STOPGAP BLUE BAG +	STOPGAP BLUE BAG +	STOPGAP GREEN BAG +	STOPGAP GREEN BAG +	STOPGAP GREEN BAG +	STOPGAP 100 *RAPID* +	STOPGAP 200 *SMOOTH* +	STOPGAP 300 *HD* +	STOPGAP 600 *BASE*(1) +	STOPGAP 700 *FLEX* +	STOPGAP 1050 LITE +	STOPGAP 400 *REPAIR* +	STOPGAP 500 *MICRO* +	STOPGAP 800 *WEARDUAT* +	STOPGAP 900 DPM-PREP +
			WATER	STOPGAP 128 LATEX	STOPGAP 114 LATEX	STOPGAP 128 LATEX	STOPGAP 114 LATEX	STOPGAP 55 ACRYLIC LIQUID	WATER	STOPGAP 200 ACRYLIC LIQUID	WATER	WATER	WATER	WATER	WATER	WATER	WATER	STOPGAP 900 ACRYLIC LIQUID
(3)	Product Features		Self-smoothing Economy	Self-smoothing Economy	Self-smoothing Economy	Fast Setting Universal	Fast Setting Universal	Fast Setting Low Odour	Ultra Rapid Drying Self-levelling	Self-levelling Low Odour	Fast Drying Self-levelling	Thick Section Fast Drying	Flexible Fibre-reinforced	Lightweight Self-smoothing	Slump Free Rapid Drying	Feather Edge Rapid Drying	Wearing Surface Self-levelling	Under DPM's Fast Set
(4) TECHNICAL CHARACTERISTICS	Working Time at 20°C	(min)	15 - 25	20 - 30	20 - 30	10 - 15	10 - 15	10 - 15	15 - 25	20 - 30	20 - 30	20 - 30	15 - 25	15 - 25	10 - 15	15 - 20	20 - 30	15 - 20
	Time to Foot Traffic at 20°C - approx	(Hours)	3	3	3	1 ½	1 ½	1 ½	1 ½	2	1 ½	3	1 ½	2	20 - 30min	25min Scratch Coat	3	1 ½
	Time to cover with floorcovering or seal at 2-3mm - approx (Hours)	Absorbent	24	24	24	6	6	6	2 - 3	6	6	6 - 24(1)	2 - 3	24	1½	25min Scratch Coat	6	24
		Non-Absorbent	n/a	n/a		n/a	24	24		12	12						12	
	Application Thickness	Unfilled Min (mm)	3	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3	5	2 - 3	3	2 - 3	Scratch Coat	5	3
		Unfilled Max (mm)	6	15	15	15	15	15	10	15	15	50	10	20	20	3	15	15
		Can be Filled	Up to 10 mm	No	No	Up to 20 mm	Up to 20 mm	Up to 20 mm	No	Up to 20 mm	Up to 20 mm	No	No	No	Up to 50 mm	No	No	Up to 20 mm
(5)	Protein Free		Yes	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Coverage at 3mm per bag	(m^2)	4.8	5.0	5.2	5.0	5.1	4.9	5.3	4.9	5.1	2.8 @ 5 mm	4.7	4.4	n/a	n/a	3.0 @ 5 mm	4.9
	Suitable for Pump Application		No	No	No	No	No	No	Yes	No	Yes	Yes	No	No	No	No	Yes	No
(6)	Suitable for High Temperature areas e.g. conservatories		No	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes
	Compressive Strength 28 Day to BS EN 13892-2 (N/mm^2)		25	16	12	30	25	30	45	35	35	30	45	20	35	10	40	30
	Flexural Strength 28 Day to BS EN 13892-2	(N/mm^2)	5	4	3	8	7	9	12	8	8	7	12	5	6	4	10	8
	BS EN 13813 Class		CT-C25-F5	CT-C16-F4	CT-C12-F3	CT-C30-F7	CT-C25-F7	CT-C30-F7	CT-C40-F10	CT-C35-F7	CT-C35-F7	CT-C30-F7	CT-C40-F10	CT-C20-F5	CT-C35-F6	CT-C7-F4	CT-C40-F10-AR0,5	CT-C30-F7
	SUBFLOOR SUITABILITY + PRIMER RECOMMENDATION																	
(1) 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	n/a	Dilute P131	Apply Direct to Damp Surface or Dilute P131	Apply Direct to Surface	Dilute P131	Apply Direct to Damp Surface
	Non-absorbent Surfaces e.g. Terrazzo, Ceramic Tiles		n/a	n/a	Apply Direct	n/a	Apply Direct	Neat P131	Neat P131(2)	Neat P131	Neat P131	Neat P131	n/a	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	Dilute P131	Dilute P131	n/a	Dilute P131	Apply Direct	n/a	Dilute P131	Apply Direct to Damp Surface
	Calcium Sulphate e.g. Anhydrite Screeds		n/a	Neat P121	Neat P121	Neat P121	Neat P121	Neat P121	Neat P121	Neat P121	Neat P121	n/a	n/a	Neat P121	n/a	n/a	n/a	n/a
	Minimal Adhesive Residues		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 - Non wheeled traffic
   - Heavy duty - Wheeled traffic
3. Key Product Features
4. Is a fast set required?
5. Is a protein free product specified?
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 latex or acrylic 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 (or conversely "build" capabilities), setting time, hardness or preference of installer.

BALL
F. Ball and Co. Ltd.

The Stopgap range consists of:

Latex and Acrylic Products

Stopgap Green Bag
A fast setting, protein free smoothing underlayment which has a high strength making it suitable for areas subject to heavy duty traffic.

When used with a Latex or Acrylic liquid, Stopgap Graded Aggregate can be added for an application thickness of upto 20mm.

Stopgap Blue Bag
A Latex floor smoothing underlayment which has excellent self smoothing properties and can be smoothed to a feather-edge.

Suitable for internal areas subject to foot and light wheeled traffic.

Stopgap 200 Powder and Acrylic Liquid
A self-smoothing rapid set protein free underlayment suitable for heavy duty interior use.

Stopgap 900
Developed specifically for smoothing concrete and sand/cement screeds prior to coating with Stopgap F75 or F76 Surface Damp Proof Membranes.

Supplied as a pre-blended dry powder and acrylic liquid, Stopgap 900 is dimensionally stable and low odour.

Water Mix Products

Stopgap Red Bag
An economical self-smoothing protein free underlayment suitable for interior light traffic use. It can be used unfilled to 6mm thickness. Above 6mm, Stopgap Red Bag should be mixed with Stopgap Graded Aggregate.

Stopgap 100
Ultra rapid drying smoothing underlayment which can be applied between 2mm and 10mm and is ready to receive floor coverings in as little as 2-3 hours.

Can be directly applied to Waterproof Surface Membranes and some other non-absorbent subfloors without the need to prime, within 24 hours.

Stopgap 300
A self-levelling protein free 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
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 100, 200, 300 smoothing underlayments or Stopgap 800 prior to installing floor coverings or seals.

Designed for application up to a maximum of 50mm in one application.

Stopgap 700
Ultra rapid drying, flexible, fibre-reinforced self-smoothing underlayment, designed specifically for use over plywood.

Can be applied between 2mm and 10mm. Due to rapid drying technology it is ready to receive most floor-coverings in as little as 2-3 hours.

Stopgap 800
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 for use in areas that may be subject to water or fluid spillage's.

Stopgap 1050
Is 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^3, typically half of a conventional underlayment.

Repair Compounds

Stopgap 400 Rapid Repair Compound
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 upon conditions, but usually within 90 minutes.

Stopgap 500 Micro-Coat
A rapid drying floor finishing compound. Suitable for light to medium traffic areas. 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 free from imperfections. Dries to allow the installation of floorcoverings after 25 minutes, at a thickness of less than 1mm.

Filled Mixes

Add 12.5 kgs of Graded Aggregate to 25kg sack of either Stopgap Green Bag, Stopgap Red Bag, Stopgap 200, Stopgap 300, Stopgap 400 or Stopgap 900.

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
Neoprene emulsion, 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^2 neat and 100m^2 when dilute.

Stopgap P121
Acrylic primer for anhydrite screeds.

Surface Damp Proof 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%.

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

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BALL
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STOPGAP Range

BALL
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				GENERAL PURPOSE UNDERLAYMENT						HIGH PERFORMANCE UNDERLAYMENT						REPAIR AND FINISHING COMPOUNDS			
				Light to Medium Duty			Heavy Duty			Heavy Duty					Medium				
				STOPGAP RED BAG +	STOPGAP BLUE BAG +	STOPGAP BLUE BAG +	STOPGAP GREEN BAG +	STOPGAP GREEN BAG +	STOPGAP GREEN BAG +	STOPGAP 100 *RAPID* +	STOPGAP 200 *SMOOTH* +	STOPGAP 300 *HD* +	STOPGAP 600 *BASE* (1) +	STOPGAP 700 *FLEX* +	STOPGAP 1050 LITE +	STOPGAP 400 *REPAIR* +	STOPGAP 500 *MICRO* +	STOPGAP 800 WEARCOAT +	STOPGAP 900 DPM-PREP +
				WATER	STOPGAP 128 LATEX	STOPGAP 114 LATEX	STOPGAP 128 LATEX	STOPGAP 114 LATEX	STOPGAP 55 ACRYLIC LIQUID	WATER	STOPGAP 200 ACRYLIC LIQUID	WATER	WATER	WATER	WATER	WATER	WATER	WATER	STOPGAP 900 ACRYLIC LIQUID
TECHNICAL CHARACTERISTICS	Product Features			Self-smoothing Economy	Self-smoothing Economy	Self-smoothing Economy	Fast Setting Universal	Fast Setting Universal	Fast Setting Low Odour	Ultra Rapid Drying Self-levelling	Self-levelling Low Odour	Fast Drying Self-levelling	Thick Section Fast Drying	Flexible Fibre-reinforced	Lightweight Self-smoothing	Slump Free Rapid Drying	Feather Edge Rapid Drying	Wearing Surface Self-levelling	Under DPM's Fast Set
	Working Time at 20°C		(min)	15 - 25	20 - 30	20 - 30	10 - 15	10 - 15	10 - 15	15 - 25	20 - 30	20 - 30	20 - 30	15 - 25	15 - 25	10 - 15	15 - 20	20 - 30	15 - 20
	Time to Foot Traffic at 20°C - approx		(Hours)	3	3	3	1 1/2	1 1/2	1 1/2	1 1/2	2	1 1/2	3	1 1/2	2	20 - 30min	25min Scratch Coat	3	1 1/2
	Time to cover with floorcovering or seal at 2-3mm - approx (Hours)	Absorbent		24	24	24	6	6	6	2 - 3	6	6	6 - 24(1)	2 - 3	24	1 1/2	25min Scratch Coat	6	24
		Non-Absorbent		n/a	n/a		n/a	24	24		12	12						12	
	Application Thickness	Unfilled	Min (mm)	3	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3	5	2 - 3	3	2 - 3	Scratch Coat	5	3
			Max (mm)	6	15	15	15	15	15	10	15	15	50	10	20	20	3	15	15
		Can be Filled		Up to 10 mm	No	No	Up to 20 mm	Up to 20 mm	Up to 20 mm	No	Up to 20 mm	Up to 20 mm	No	No	No	Up to 50 mm	No	No	Up to 20 mm
	Protein Free			Yes	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Coverage at 3mm per bag		(m^2)	4.8	5.0	5.2	5.0	5.1	4.9	5.3	4.9	5.1	2.8 @ 5 mm	4.7	4.4	n/a	n/a	3.0 @ 5 mm	4.9
	Suitable for Pump Application			No	No	No	No	No	No	Yes	No	Yes	Yes	No	No	No	No	Yes	No
	Suitable for High Temperature areas e.g. conservatories			No	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes
	Compressive Strength 28 Day to BS EN 13892-2		(N/mm^2)	25	16	12	30	25	30	45	35	35	30	45	20	35	10	40	30
	Flexural Strength 28 Day to BS EN 13892-2		(N/mm^2)	5	4	3	8	7	9	12	8	8	7	12	5	6	4	10	8
	BS EN 13813 Class			CT-C25-F5	CT-C16-F4	CT-C12-F3	CT-C30-F7	CT-C25-F7	CT-C30-F7	CT-C40-F10	CT-C35-F7	CT-C35-F7	CT-C30-F7	CT-C40-F10	CT-C20-F5	CT-C35-F6	CT-C7-F4	CT-C40-F10-AR0,5	CT-C30-F7
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	n/a	Dilute P131	Apply Direct to Damp Surface or Dilute P131	Apply Direct to Surface	Dilute P131	Apply Direct to Damp Surface
	Non-absorbent Surfaces e.g. Terrazzo, Ceramic Tiles			n/a	n/a	Apply Direct	n/a	Apply Direct	Neat P131	Neat P131(2)	Neat P131	Neat P131	Neat P131	n/a	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	Dilute P131	Dilute P131	n/a	Dilute P131	Apply Direct	n/a	Dilute P131	Apply Direct to Damp Surface
	Calcium Sulphate e.g. Anhydrite Screeds			n/a	Neat P121	Neat P121	Neat P121	Neat P121	Neat P121	Neat P121	Neat P121	Neat P121	n/a	n/a	Neat P121	n/a	n/a	n/a	n/a
	Minimal Adhesive Residues			n/a	n/a	Apply Direct	n/a	Neat P131	Neat P131	Neat P131	Neat P131	Neat P131	Neat P131	n/a	Neat P131	Neat P131	n/a	n/a	n/a
	Surface DPM - F75 or F76			n/a	n/a	Neat P131	n/a	Neat P131	Neat P131	Apply Direct within 24hrs	Neat P131	Neat P131	Neat P131	n/a	Neat P131	Neat P131	n/a	Neat P131	n/a
	Flooring Grade Mastic Asphalt			n/a	n/a	Neat P131	n/a	Neat P131	Neat P131	Neat P131	Neat P131	Neat P131	n/a	n/a	n/a	Neat P131	n/a	n/a	n/a
	Steel (non-flexing, corrosion free and clean)			n/a	n/a	Neat P131	n/a	Neat P131	Neat P131	Neat P131	Neat P131	Neat P131	n/a	Neat P131	Neat P131	Neat P131	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	n/a	Dilute P131	Dilute P131	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 SERVICES DEPARTMENT FOR SPECIFIC GUIDANCE. FOR ADVICE ON THE SUITABILITY OF F. BALL SMOOTHING COMPOUNDS FOR USE BENEATH F75 OR F76, PLEASE CONSULT OUR TECHNICAL SERVICES DEPARTMENT.
(1) STOPGAP 600 is designed to be used in conjunction with STOPGAP 100, STOPGAP 200, STOPGAP 300 and STOPGAP 800. Time to cover is therefore dependant on combination used. (2) Refer to F. Ball Technical Services for advice on which non-absorbent surfaces can be applied to without the use of a primer. n/a = not applicable or not recommended.
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 Services for detailed information.