



STOPGAP 1600

Fibre-reinforced smoothing compound

Screed classification: CT-C25-F6 to EN 13813:2002

PRODUCT DATA

INTRODUCTION

STOPGAP 1600 is a fibre-reinforced smoothing compound designed for new or existing internal floor refurbishments in both domestic and commercial environments, prior to the installation of new floorcoverings.

STOPGAP 1600 is suitable for use over both electrical wired and water-fed underfloor heating and cooling systems.

STOPGAP 1600 is fast drying and is ready to receive floorcoverings from as little as 12 hours at 3-5mm thickness.

STOPGAP 1600 is dimensionally stable and is supplied as a pre-blended dry powder, which is designed for application between 3-40mm in one application. It is protein-free which allows it to be used in biologically sensitive areas.

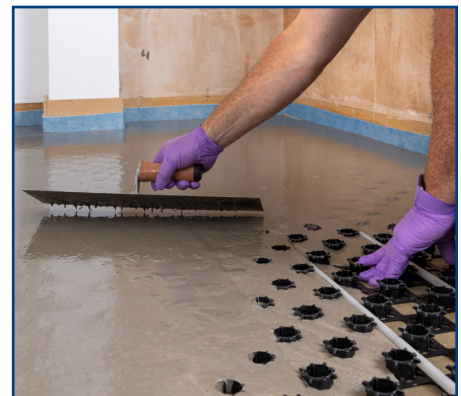
STOPGAP 1600 is suitable for use over a wide range of absorbent and non-absorbent subfloor types including sand/cement screed, concrete, tile backer boards, plywood, granolithic, terrazzo, epoxy and polyurethane resins, ceramic and quarry tiles and STOPGAP waterproof surface membranes.

COVERAGE

A 20kg bag of STOPGAP 1600 mixed with 3.4 litres of clean water will cover approximately 3.7m² at a thickness of 3mm.

TECHNICAL INFORMATION

EN 13813 Class Designation	CT-C25-F6	
Working Time @ 20°C	15 - 20 minutes	
Walk on hardness time @ 20°C	3 hours	
Ready to receive floorcoverings	12 - 72 hours	
Compressive Strength N/mm ² (EN 13892-2)	1 Day	>10.0
	7 Days	>20.0
	28 Days	>25.0
Flexural Strength N/mm ² (EN 13892-2)	1 Day	>2.0
	7 Days	>4.0
	28 Days	>6.0
Flow properties using 30mm ø x 50mm flow ring (EN 12706)	120 - 135 mm	
Consumption per mm thickness	1.81 kg / m ²	
Application thickness	3-40 mm	



FEATURES

- Fibre-reinforced
- Use over electric and water-fed underfloor heating systems
- Fast drying
- Protein free
- Suitable for hand or pump application
- Low odour

EN 13813:2002

The above standard refers to the properties and performance of the product and the specification to which it has been tested. The data shown confirms the minimum compressive and flexural strengths that the product will achieve.

PACKAGES

20kg lined paper sacks.

HOW MUCH MATERIAL?

APPLIED THICKNESS	COVERAGE PER UNIT	CONSUMPTION PER 100m ² AREA
3mm	3.7m ²	28 bags
15mm	0.70m ²	136 bags
25mm	0.40m ²	231 bags
40mm	0.25m ²	370 bags

Note. Coverage rates for 15mm are based on 3.4 litre water addition and for 15mm up to 40mm are based on 3.2 litre water addition. These figures will vary according to the condition of the subfloor.

SURFACE PREPARATION

Floor surfaces must be suitably prepared: sound, dry (<75%RH) and free from contaminants that may prevent adhesion. Use STYCCOCLEAN C140 for removing grease, oil, polish, soap etc. from non-absorbent substrates.

Concrete and sand/cement screeds must be fully cured and any laitance or surface treatments must be removed. The temperature of the floor must be maintained above 5°C throughout the application and drying of the smoothing compound. Underfloor heating must be off for at least 48 hours before, during and after application.

Plywood should be a minimum of 6mm thick and screw fixed according to the guidelines outlined in BS5325 and BS8203.

For detailed information, request our Subfloor Preparation Guide.

PRIMING

IT IS ESSENTIAL TO PRIME ALL SURFACES

Absorbent surfaces - Prime with dilute STOPGAP P131 to prevent uncontrolled rapid drying of the compound.

Non-absorbent surfaces – such as adhesive residues, terrazzo, quarry tiles and STOPGAP waterproof surface membranes should be primed with neat STOPGAP P141 to ensure that good adhesion is obtained between the compound and substrate. The primer should be used in accordance with instructions printed on the bottle and must be allowed to dry before applying the compound.

MIXING

Add 3.4 litres of clean water into a STOPGAP mixing bucket and gradually add all the powder whilst stirring with a power whisk fitted in an electric drill until a smooth creamy lump free consistency is achieved. The material should be mixed for a minimum of 2 minutes.

When applying the material at depths of greater than 15mm, it is advisable to reduce the water content to 3.2 litres to provide a thicker consistency and to prevent separation of the mix.

Water addition

3.2 litres minimum - 3.4 litres maximum per 20kg depending on consistency and flow properties required. Do not exceed 3.4 litres of water per 20kg bag.

PUMP APPLICATION

STOPGAP 1600 can be pumped up to 900m² per day, dependent upon manpower, thickness applied and equipment used. Mix in accordance with the pump manufacturers recommendations and adjust the rate of water flow until the mix is a smooth fluid, uniform grey liquid with no surface separation. Flow checks should be carried out at regular intervals during pumping.

APPLICATION

Pour the mixed material onto the prepared subfloor and allow to flow and attain a smooth finish. Minimal work with a smoothing trowel is required. The mixed material should be applied at thicknesses between 3mm to 40mm in one application.

APPLICATION OVER UNDERFLOOR HEATING SYSTEMS

STOPGAP 1600 can be used to encapsulate water-fed underfloor heating systems.

Application thickness may vary depending on the type of system installed.

For detailed guidance contact the F. Ball Technical Service Department.

When applied at greater thicknesses, it may be necessary to cap the surface when installing certain floorcoverings e.g. resilient. Once the surface is sufficiently dry to walk on, prime with dilute STOPGAP P131, allow to dry and proceed to mix / apply STOPGAP 300, 1200 or 1500 in accordance with the appropriate technical data sheet. Floorcoverings can then be installed from 24 hours irrespective of thickness applied.

DRYING

Drying is dependent on the absorbency of the subfloor, ambient temperature and humidity.

PRECAUTIONS

Maximum application depth over plywood subfloors is 5mm.

TOOLS

Suitable steel smoothing trowel, spiked roller, mixing bucket, electric drill and power whisk or suitable pumping equipment.

Wash tools with water immediately after use.

STORAGE

This product must be stored under cover, in unopened bags clear of the ground in cool dry conditions, protected from frost and excessive draught. Dampness will reduce the shelf life and may cause the powder to set in the sack.

SHELF LIFE

9 months in unopened bags and stored under good conditions.

HEALTH & SAFETY ADVICE

This product is not classified. Obtain the relevant Safety Data Sheet and follow the advice given.

These can be found at www.f-ball.com alternatively they can be obtained from the point of purchase or from F. Ball and Co. Ltd. at the address below.

Site conditions vary, to ensure this product is suitable and confirm this data sheet is current, please contact Technical Service Department.

For further information about F. Ball products or more detailed technical assistance, please contact:



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