



STOPGAP 1600

Fibre-reinforced Smoothing Compound

Declared performance: CT-C25-F6 to EN 13813:2002

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 structurally sound, smooth, dry absorbent and non-absorbent subfloor types including concrete, autoclaved aerated concrete, fibre cement sheet conforming to AS/NZS 2908.2, tile backer boards, ceramic and quarry tiles and STOPGAP waterproof surface membranes.

COVERAGE

A 20kg bag of STOPGAP 1600 mixed with 3.6 litres of clean water will cover approximately 3.7m² at a thickness of 3mm.

HOW MUCH MATERIAL

APPLIED THICKNESS	COVERAGE PER UNIT	CONSUMPTION PER 100M ² AREA
3mm	3.70m ²	28 bags
15mm	0.70m ²	136 bags
25mm	0.40m ²	231 bags
40mm	0.25m ²	370 bags

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.

FEATURES

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

STANDARDS

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.

SCAN QR CODE
TO VIEW PRODUCT DEMO VIDEO



TECHNICAL INFORMATION

Declared performance	CT-C25-F6
Working time @ 20°C	15 - 20 minutes
Walk-on time @ 20°C	From 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 - 135mm
Consumption per mm thickness	1.78 kg/m ²
Application thickness	3-40 mm

SURFACE PREPARATION

Floor surfaces must be suitably prepared: sound, dry and free from contaminants that may prevent adhesion.

Where a concrete substrate moisture content is greater than 85% relative humidity (ASTM F2170) or exceeds 15gm/m²/24hrs (ASTM F1869) when tested in accordance with AS 1884, a STOPGAP moisture protection system should be used.

Concrete must be fully cured and any laitance or surface treatments must be removed. The temperature of the floor must be maintained above 10°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.

For detailed information, request the **F. Ball 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 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 3.6 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 3.4 litres to provide a thicker consistency and to prevent separation of the mix.

Water addition

3.4 litres minimum - 3.6 litres maximum per 20kg depending on consistency and flow properties required. Do not exceed 3.6 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.

Where ambient temperatures are greater than 20°C, ensure STOPGAP 1600 is mixed with clean, cold water to maintain working times and avoid flash setting. Ensure product is not stored in direct sunlight as this can significantly reduce working times and cause the product to set in the mixing bucket.

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.

PACK SIZE

20kg lined paper sacks.

SHELF LIFE

9 months in unopened bags and stored under good conditions.

HEALTH & SAFETY

This product is classified. Relevant safety data sheets and advice given can be found at www.f-ball.com.

Alternatively these 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 to confirm this data sheet is current please contact our Technical Service Department.

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 1500 in accordance with the appropriate technical data sheet. Floorcoverings can then be installed from 24 hours irrespective of thickness applied.



**FOR FURTHER INFORMATION
ABOUT F. BALL PRODUCTS OR
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