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STOPGAP 1100

Calcium Sulphate Based, Smoothing Compound

Declared performance: CA-C30-F7 to EN13813:2022

INTRODUCTION

STOPGAP 1100 is a self-levelling smoothing compound designed specifically for application over sound calcium sulphate (e.g. anhydrite) screeds prior to the installation of new floorcoverings.

STOPGAP 1100 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.

STOPGAP 1100 is calcium sulphate based and is particularly compatible for smoothing similarly contructed screeds but may also be used over a wide range of other subfloor types including STOPGAP waterproof surface membranes, sand/cement screeds, concrete, sound asphalt, granolithic, terrazzo, epoxy and polyurethane resins, ceramic and quarry tiles.

STOPGAP 1100 GYPSUM can be pump applied up to 1500m² per day, dependent upon manpower, thickness applied and equipment used.

COVERAGE

A 22kg bag of STOPGAP 1100 mixed with 5.5 litres of clean water will cover approximately 5.0m² at a thickness of 2-3mm.

HOW MUCH MATERIAL

APPLIED THICKNESS	COVERAGE PER UNIT	CONSUMPTION PER 100M² AREA	GRADED AGGREGATE
2-3mm	5.0m²	20 units	n/a
5mm	2.8m²	36 units	n/a
10mm	1.4m²	73 units	n/a
50mm	0.3m²	278 x powder and 157 x aggregate	

Note. Coverage rates are based on 5.5 litre water addition and will vary according to the condition of the subfloor.

FEATURES

- Application thickness 2-10mm
- Can be filled up to 50mm
- Low odour
- Low pH
- Excellent self-levelling properties

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		CA-C30-F7
Working Time @ 20°C		20 - 30 minutes
Setting Time @ 20°C		2 hours
Ready to receive floorcoverings over: Absorbent surfaces @ 3mm		24 hours
Compressive Strength N/mm² (EN 13892-2)		
	1 Day	>10.0
	7 Days	>15.0
	28 Days	>30.0
Flexural Strength N/mm² (EN 13892-2)		
	1 Day	>2.0
	7 Days	>3.0
	28 Days	>7.0
pH (EN13454)		10 - 12
Flow properties using 30mm Ø x 50mm flow ring (EN12706)		135-150 mm
Consumption per mm thickness		1.60 kg/m²
Application thickness	**Unfilled**	2-10 mm
	Filled	up to 50mm

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.

Calcium sulphate screeds must be fully cured either <75% RH or alternatively, <0.5% determined using the calcium carbide (CM) method. Ensure any laitance or surface treatments are removed in accordance with the suppliers instructions. The temperature of the floor must be maintained above 10°C throughout the application and drying of the underlayment. 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 - For dry (<75% RH) and suitably prepared calcium sulphate screeds, prime with two coats of STOPGAP P121. The first coat should be diluted 1 part primer to 1 part water. Once dry, prime with a second coat of neat P121.

For all other absorbent surfaces prime with dilute Stopgap P131 to prevent rapid drying of the compound.

Non-absorbent surfaces – such as sound flooring grade asphalt, minimal 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.

Primers should be used in accordance with instructions printed on the bottle and must be allowed to dry before applying the smoothing compound.

MIXING

Standard Mix - Add 5.5 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.

Filled Mix - Add 12.5kg of STOPGAP GRADED AGGREGATE to the prepared standard mix. It is advisable to reduce the level of water to 4.75 - 5.0 litres to prevent separation of the mix.

Water addition

5.25 litres minimum – 5.75 litres maximum per 22kg depending on consistency and flow properties required. Do not exceed 5.75 litres of water per 22kg bag.

PUMP APPLICATION

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.

TOOLS

- Suitable steel smoothing trowel
- Spiked roller
- Mixing bucket
- Electric drill and power whisk
- 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

22kg lined paper sacks.

SHELF LIFE

6 months in unopened bags and stored under good conditions.

HEALTH & SAFETY

This product is not 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

Pour the mixed material onto the prepared substrate and allow to flow and attain a smooth finish. Minimal work with a smoothing trowel is required. A spiked roller should be used to eliminate entrapped air and smooth out flow lines to give a more uniform surface appearance. The mixed material should be applied at a thickness between 2 to 10mm, but can be taken down to a feather edge if required. For optimum smoothing characteristics, an overall thickness of at least 3mm should be maintained.

STOPGAP 1100 is self-smoothing, but should any imperfections remain they can be removed by rubbing with a carborundum stone when the compound will accept foot traffic – typically 2 hours after application at 20°C.

DRYING

Drying is dependent on the absorbency of the subfloor, ambient temperature and humidity. On all surfaces, at a nominal 3mm thickness, the compound will be ready to receive textile floorcoverings after 24 hours and resilient floorcoverings after 48 hours. For greater thicknesses allow a further 1 day drying time per mm.

At thicknesses greater than 20mm (filled) ensure that the moisture content is less than 75% RH, or 0.5% determined using the Calcium Carbide (CM) method, before applying any type of floorcovering.

FOR FURTHER INFORMATION ABOUT F. BALL PRODUCTS OR MORE DETAILED TECHNICAL ASSISTANCE, VISIT F-BALL.COM OR CALL +44 (0)1538 361633

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