



STOPGAP 100 RAPID

Ultra-Fast Drying Floor Smoothing Underlayment

Screed classification: CT-C40-F10 to BS EN 13813:2002

PRODUCT DATA

INTRODUCTION

STOPGAP 100 is an ultra-fast drying self-levelling smoothing underlayment suitable for use in light to heavy-duty applications for preparing sound absorbent and non-absorbent subfloors prior to the installation of new floorcoverings.

STOPGAP 100 allows both textile and resilient floorcoverings to be installed in as little as 90 minutes at 20°C, making it ideal for fast track installations.

STOPGAP 100 is dimensionally stable and is supplied as a pre-blended dry powder which is designed for application between 2 to 10 mm. It is protein-free which allows it to be used in biologically sensitive areas such as hospitals.

STOPGAP 100 is suitable for use over a wide range of subfloor types including STOPGAP waterproof surface membranes, sand/cement screed, concrete, calcium sulphate (e.g. anhydrite), sound asphalt, granolithic, terrazzo, epoxy and polyurethane resins, ceramic and quarry tiles. STOPGAP 100 can also be pump applied up to 1500m² per day, dependent upon manpower, thickness applied and equipment used.

COVERAGE

A 25kg bag of STOPGAP 100 mixed with 5.5 litres of clean water will cover approximately 5.2m² at a thickness of 3mm.

TECHNICAL INFORMATION

BS EN 13813 Class Designation	CT-C40-F10
Working Time @ 20°C	15-25 minutes
Walk on hardness time @ 20°C	90 minutes
Ready to receive floorcoverings	from 1½ hours
Compressive Strength N/mm ² (BS EN 13892-2)	
4 hours	>10.0
1 Day	>25.0
7 Days	>35.0
28 Days	>40.0
Flexural Strength N/mm ² (BS EN 13892-2)	
4 hours	>3.0
1 Day	>6.0
7 Days	>8.0
28 Days	>10.0
Flow properties using 30mm ø x 50mm flow ring (BS EN 12706)	130-145 mm
Consumption per mm thickness	1.59 kg / m ²
Application thickness	2-10 mm



FEATURES

- Ultra-fast drying technology
- Install floorcoverings in as little as 90 minutes
- Application thickness from 2-10mm
- Excellent self-levelling properties
- Low odour

BS 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

25kg lined paper sacks.

HOW MUCH MATERIAL?

APPLIED THICKNESS	COVERAGE PER UNIT	CONSUMPTION PER 100m ² AREA
3mm	5.2m ²	19 units
5mm	3.1m ²	32 units
10mm	1.6m ²	64 units

Note: Coverage rates are based on 5.5 litre water addition and 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 underlayment. Underfloor heating must be off for at least 48 hours before, during and after application.

For fast track applications, we would recommend that the floor temperature is maintained above 15°C to ensure the initial set time is kept to a minimum.

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 rapid drying of the underlayment. For dry (<75% RH) and suitably prepared anhydrite screeds use neat STOPGAP P121.

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 P131 to ensure that good adhesion is obtained between the underlayment and substrate.

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

MIXING

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.

Water addition

5.25 litres minimum - 5.75 litres maximum per 25kg depending on consistency and flow properties required. Do not exceed 5.75 litres of water per 25kg 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. Check for caking after one hour of continuous pumping of STOPGAP 100.

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 use of a spiked roller will help eliminate entrapped air and smooth out flow lines to give a more uniform surface appearance. The mixed material should be applied at thicknesses between 2mm to 10mm, but can be taken down to a feathered edge if required. For optimum smoothing and levelling characteristics, an overall thickness of at least 3mm should be maintained.

STOPGAP 100 is self-smoothing, but should any imperfections remain they can be removed by rubbing with a carborundum stone when the underlayment will accept foot traffic - typically 90 minutes after application at 20°C. This time will be extended with reduced temperatures i.e. approximately 3 hours at 10°C.

DRYING

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

Application of adhesives onto the surface can commence as soon as the surface is hard enough not to be damaged by the adhesive trowel – typically 1½ hours at 20°C.

The open time of adhesives may be reduced due to heat retention within the underlayment, caused by the ultra rapid drying technology, when applied to thicker sections of STOPGAP 100.

The set product may appear darker than traditional underlayments, however this is normal, and does not indicate that the product is still wet.

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

6 months in unopened bags and stored under good conditions.

HEALTH & SAFETY ADVICE

This product is classified under the Chemicals (Hazard Information and Packaging for Supply) Regulations. Obtain the relevant Material Safety Data Sheet and follow the advice given. These can be found at www.f-ball.co.uk. 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 to confirm this data sheet is current, please contact our Technical Service Department.

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



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