



# STOPGAP 600 BASE

Deep Section Compound for use under

**STOPGAP 100, 200, 300 or 800**

Screed classification: CT-C30-F7 to BS EN 13813:2002

## PRODUCT DATA

### INTRODUCTION

**STOPGAP 600** is a base compound designed for use where floor levels need to be raised quickly and economically in light to heavy-duty applications onto sound absorbent and non-absorbent subfloors.

STOPGAP 600 sets sufficiently in as little as 3 hours allowing it to be capped with STOPGAP 100, 200 or 300 self-smoothing underlayments prior to the installation of new floorcoverings. STOPGAP 600 is also suitable for use under STOPGAP 800.

STOPGAP 600 is dimensionally stable and is supplied as a pre-blended dry powder, which is designed for application between 5-50mm in one application. It is protein-free which allows it to be used in biologically sensitive areas.

STOPGAP 600 is suitable for use over a wide range of subfloor types including sand/cement screed, concrete, granolithic, terrazzo, epoxy and polyurethane resins, ceramic and quarry tiles and STOPGAP waterproof surface membranes.

STOPGAP 600 can also be pumped up to 900m<sup>2</sup> per day, dependent upon manpower, thickness applied and equipment used.

### COVERAGE

A 25kg bag of STOPGAP 600 mixed with 4.25 litres of clean water will cover approximately 2.8m<sup>2</sup> at a thickness of 5mm.

### TECHNICAL INFORMATION

BS EN 13813 Class Designation	CT-C30-F7
Working Time @ 20°C	20 - 30 minutes
Walk on hardness time @ 20°C	3 hours
Ready to receive floor smoothing compounds	3 hours
Compressive Strength N/mm <sup>2</sup> (BS EN 13892-2)	
1 Day	>15.0
7 Days	>25.0
28 Days	>30.0
Flexural Strength N/mm <sup>2</sup> (BS EN 13892-2)	
1 Day	>2.0
7 Days	>5.0
28 Days	>7.0
Flow properties using 30mm ø x 50mm flow ring (BS EN 12706)	110-130 mm
Consumption per mm thickness	1.81 kg / m <sup>2</sup>
Application thickness	5-50 mm



### FEATURES

- Deep section
- Fast drying
- Protein free
- Thickness from 5-50 mm in one application
- Suitable for hand or pump application
- 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 <sup>2</sup> AREA
5mm	2.8m <sup>2</sup>	36 bags
15mm	0.9m <sup>2</sup>	110 bags
20mm	0.7m <sup>2</sup>	147 bags
50mm	0.3m <sup>2</sup>	370 bags

Note. Coverage rates for 5-15mm are based on 4.25 litre water addition and for 20-50mm are based on 4.0 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 underlayment. Underfloor heating must be off for at least 48 hours before, during and after application.

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 membranes should be primed with neat STOPGAP P131 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 4.25 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 4.0 litres to provide a thicker consistency and to prevent separation of the mix. This will reduce the coverage rate per mixed unit - for detailed guidance contact Technical Service Department.

## Water addition

4.0 litres minimum - 4.5 litres maximum per 25kg depending on consistency and flow properties required. Do not exceed 4.5 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.

## 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 5mm to 50mm in one application.

## DRYING

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

## OVERCOATING WITH STOPGAP 100, 200, 300 OR 800

Irrespective of thickness applied, once STOPGAP 600 has set, typically 3 hours at 20°C, it must be capped with a minimum 3mm of STOPGAP 100, 200 or 300 depending on the performance characteristics required. If capping with STOPGAP 800, this should be applied at a minimum thickness of 5mm. This time will be extended with reduced temperatures i.e. approximately 6 hours at 10°C.

Where STOPGAP 100 is applied immediately after STOPGAP 600 has set, inter-coat priming is not required. After this time the surface should be primed with dilute STOPGAP P131.

For fast track applications where resilient floorcoverings are to be installed, we would recommend that STOPGAP 600 is capped with STOPGAP 100. This will allow the installation of resilient floorcoverings as soon as STOPGAP 100 has dried, typically 2 to 3 hours at 20°C.

Where STOPGAP 600 is covered with STOPGAP 200, STOPGAP 300 or STOPGAP 800, prime the surface with dilute STOPGAP P131. We would recommend the installation of floorcoverings be left for a minimum of 16 hours after STOPGAP 200 or STOPGAP 300 have set. STOPGAP 800 should be left for 24 hours prior to sealing with STOPGAP SEAL.

**Please note:** The working time of the smoothing compounds when applied to thick sections of STOPGAP 600 may be reduced, due to heat generated within the compound.

## 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](http://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 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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