



# STOPGAP 300 HD

## Heavy-Duty Floor Smoothing Underlayment

Screed classification: CT-C35-F7 to EN 13813:2002



Scan to view the product demonstration video



## PRODUCT DATA

### INTRODUCTION

**STOPGAP 300** is a fast drying self-levelling smoothing underlayment suitable for use in light to heavy-duty areas for preparing sound absorbent and non-absorbent subfloors prior to the installation of new floorcoverings.

STOPGAP 300 is dimensionally stable and is supplied as a pre-blended dry powder designed for application between 2 - 20mm. It is protein-free which allows it to be used in biologically sensitive areas such as hospitals.

STOPGAP 300 is suitable for use over a wide range of subfloor types including sand/ cement screed, concrete, calcium sulphate (e.g. anhydrite), minimal adhesive residues, sound asphalt, granolithic, terrazzo, epoxy and polyurethane resins, ceramic and quarry tiles and STOPGAP waterproof surface membranes.



Tested in accordance with IMO FTP Code procedures, STOPGAP 300 is in compliance with the Merchant Shipping (Marine Equipment) Regulations 2016, S.I. 2016/1025, and the Marine Equipment Directive 2014/90/EU, and approved for use as a primary deck covering. USCG Approval No(s): 164.106/1121/WCL MER0528, 164.106/ERO2812/ MED0528



**Note:** STOPGAP 300 HD is not to be used as an integrated part of a horizontal A-Class division.

### COVERAGE

A 25kg bag of STOPGAP 300 mixed with 5.5 litres of clean water will cover approximately 5.0m<sup>2</sup> at a thickness of 3mm.

### TECHNICAL INFORMATION

EN 13813 Class Designation	CT-C35-F7	
Working Time @ 20°C	20 - 30 minutes	
Walk on hardness time @ 20°C	90 minutes	
Ready to receive floorcoverings		
Absorbent surfaces	6 hours	
Non-absorbent surfaces	12 hours	
Compressive Strength N/mm <sup>2</sup> (EN 13892-2)		
1 Day	>20.0	
7 Days	>25.0	
28 Days	>35.0	
Flexural Strength N/mm <sup>2</sup> (EN 13892-2)		
1 Day	>3.0	
7 Days	>5.0	
28 Days	>8.0	
Flow properties using 30mm ø x 50mm flow ring (EN 12706)	135-150 mm	
Consumption per mm thickness	1.67 kg/m <sup>2</sup>	
Application thickness	Unfilled	2-15 mm
	Filled	upto 20 mm



### FEATURES

- Fast drying
- Excellent self-levelling properties
- Protein free
- Application thickness from 2-20mm
- Water mix
- Suitable for hand or pump application
- Low odour
- Approved for marine use

### 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	GRADED AGGREGATE
3mm	5.0m <sup>2</sup>	20 bags	n/a
5mm	3.0m <sup>2</sup>	33 bags	n/a
10mm	1.5m <sup>2</sup>	67 bags	n/a
15mm	1.3m <sup>2</sup>	78 x powder and 39 x aggregate	

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 detailed information, request the F. Ball Subfloor Preparation Guide.

## PRIMING

### IT IS ESSENTIAL TO PRIME ALL SURFACES.

**Absorbent surfaces** - Prime with dilute STOPGAP PI31 to prevent rapid drying of the underlayment.

For dry (<75% RH) and suitably prepared calcium sulphate screeds, prime with two coats of STOPGAP PI21. The first coat should be diluted 1 part primer to 1 part water. Once dry, prime with a second coat of neat STOPGAP PI21.

**Non-absorbent surfaces** – such as sound asphalt, minimal adhesive residues, terrazzo, quarry tiles and STOPGAP waterproof surface membranes should be primed with neat STOPGAP PI31 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

**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 prevent separation of the mix.

## 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

STOPGAP 300 can be pump applied up to 1500m<sup>2</sup> 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 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 a thickness between 2mm to 15mm, but can be taken down to feathered edge if required. For optimum smoothing and levelling characteristics, an overall thickness of at least 3mm should be maintained.

STOPGAP 300 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.

On absorbent surfaces, at a nominal 3mm thickness, the compound will be ready to receive resilient floorcoverings after 6 hours. For greater thicknesses and for application onto non-absorbent surfaces, we would recommend that resilient floorcoverings are installed after 12 hours.

## 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 not classified. Obtain the relevant Safety Data Sheet and follow the advice given.

These can be found at [www.f-ball.com](http://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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