



STOPGAP 300

Heavy-Duty Floor Smoothing Compound and Wearing Surface

Declared performance: CT-C35-F7-AR0.5 to EN 13813:2002

INTRODUCTION

STOPGAP 300 is a fast drying self-smoothing compound 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.

STOPGAP 300 is also suitable for use as a commercial and industrial grade floor smoothing compound where floorcoverings are not required to be installed - such as storerooms, post rooms, workshops, corridors, warehouses etc.

COVERAGE

A 25kg bag of STOPGAP 300 mixed with 5.5 litres of clean water will cover approximately 5.0m² at a thickness of 3mm.

HOW MUCH MATERIAL

APPLIED THICKNESS	COVERAGE PER UNIT	CONSUMPTION PER 100M ² AREA	GRADED AGGREGATE
3mm	5.0m ²	20 bags	n/a
5mm	3.0m ²	30 bags	n/a
10mm	1.5m ²	67 bags	n/a
15mm	1.3m ²	78 x powder and 39 x aggregate	

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

FEATURES

- Fast drying
- Excellent self-levelling properties
- Protein free
- Application thickness from 2-20mm
- Water mix
- Suitable for hand or 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-C35-F7-AR0.5
Working time @ 20°C	20 - 30 minutes
Walk-on time @ 20°C	90 minutes
Ready to receive floorcoverings: Absorbent surfaces Non-absorbent surfaces	6 hours 12 hours
Compressive strength N/mm ² (EN 13892-2) 1 Day 7 Days 28 Days	>20.0 >25.0 >35.0
Flexural strength N/mm ² (EN 13892-2) 1 Day 7 Days 28 Days	>3.0 >5.0 >8.0
Flow properties using 30mm ø x 50mm flow ring (EN 12706)	135-150mm
Consumption per mm thickness	1.66 kg/m ²
Application thickness Unfilled Filled	2-15mm up to 20mm

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 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 rapid drying of the compound.

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 STOPGAP P121.

Non-absorbent surfaces – such as sound asphalt, minimal adhesive residues, terrazzo, quarry tiles and STOPGAP epoxy 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 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 as a smoothing compound or wearing surface between 900m² to 1500m² 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.

TOOLS

- Suitable steel smoothing trowel
- Spiked roller
- Mixing bucket
- Electric drill
- 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

25kg lined paper sacks.

SHELF LIFE

9 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 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 compound 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.



STOPGAP 300 APPLICATION INSTRUCTIONS FOR USE AS A WEARING SURFACE

PRIMING

Absorbent surfaces – Prime with a minimum 2 coats of dilute STOPGAP P131 to prevent uncontrolled rapid drying of the compound which may lead to surface pinholing, poor flow characteristics, surface imperfections and colour variation. Very absorbent surfaces may need additional coats of primer. If applying over STOPGAP 600, this should be done within 24 hours and the surface should first be primed with a dilute coat of primer followed by a neat coat.

Apply the primer using a soft brush and do not extend the stated coverage. Site and substrate conditions vary, the chosen priming system should be evaluated over a trial area to ensure an optimum surface finish.

Non-absorbent surfaces - such as terrazzo, quarry tiles and STOPGAP waterproof surface membranes should be primed with neat STOPGAP P141.

Alternatively, STOPGAP F77 may be used as a priming system in conjunction with a kiln dried grit 0.7-1.2mm.

Damp subfloors: Install STOPGAP F77 waterproof surface membrane as directed and within 24 hours apply a second coat of STOPGAP F77. Whilst still wet, fully blind the

surface with the grit and allow to cure before vacuuming away all loose grit and installing STOPGAP 300.

Dry, absorbent subfloors: Apply one coat of STOPGAP F77 and whilst still wet, fully blind the surface with the grit and allow to cure before vacuuming away all loose grit and installing STOPGAP 300.

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. A spiked roller should be used immediately 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 5mm to 15mm. For optimum smoothing and levelling characteristics, an overall thickness of at least 5mm should be maintained.

DRYING/OVERCOATING

Drying is dependent on the absorbency of the subfloor, ambient temperature and humidity. On both absorbent surfaces and non-absorbent surfaces, at a nominal 5mm thickness, the compound will be ready to receive STOPGAP SEAL after a minimum of 6 hours. STOPGAP SEAL is designed to protect the surface from spillage of water or other fluids. Please refer to the STOPGAP SEAL data sheet. If required, the surface may be sealed with other epoxy coatings/paints for aesthetic reasons, greater slip resistance in the wet or to improve chemical resistance. Please consult Technical Service Department for specific products.

NOTE

When used as a finish in domestic or design feature installations, it should be noted that consistency of colour/finish cannot be guaranteed. This is down to the naturally sourced components used within STOPGAP 300 and variations in mixing and application methods. To minimise such colour variation, material should be selected from the same batch date of manufacture. Colour differences do not effect the overall high performance of this product.

This product is not recommended for external use.

We do not recommend applying subsequent layers of STOPGAP 300 as this can lead to surface pinholing/irregularities.

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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