



# STOPGAP 200 SMOOTH

## Acrylic Floor Smoothing Underlayment

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

### PRODUCT DATA

#### INTRODUCTION

**STOPGAP 200** is a rapid drying, two component, low odour acrylic, 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 200 is dimensionally stable and is supplied as a pre-blended dry powder and acrylic liquid, which is designed for application between 2 - 20mm.

STOPGAP 200 is suitable for use over a wide range of subfloor types including STOPGAP Waterproof Surface Membranes, sand/cement screed, concrete, synthetic anhydrite, sound flooring grade asphalt, granolithic, terrazzo, epoxy and polyurethane resins, ceramic and quarry tiles.

STOPGAP 200 powder when mixed with STOPGAP 200 Acrylic liquid is suitable for use in clinical and biologically sensitive area such as hospitals, laboratories, clean rooms etc.

#### COVERAGE

A 25kg bag of STOPGAP 200 mixed with 5.0 litres of STOPGAP 200 Acrylic liquid will cover approximately 4.9m<sup>2</sup> at a thickness of 3mm.

#### TECHNICAL INFORMATION

BS EN 13813 Class		CT-C30-F7
Working Time @ 20°C		20 - 30 minutes
Walk on hardness time @ 20°C		2 hours
At 3mm thickness ready to receive floorcoverings over: (Temperature dependent)		
	Absorbent surfaces	6 hours
	Non-absorbent surfaces	12 hours
Compressive Strength N/mm <sup>2</sup> (BS EN 13892-2)	1 Day	>20.0
	7 Days	>25.0
	28 Days	>30.0
Flexural Strength N/mm <sup>2</sup> (BS EN 13892-2)	1 Day	>3.0
	7 Days	>5.0
	28 Days	>7.0
Consumption per mm thickness		2.06 kg / m <sup>2</sup>
Application thickness:	Unfilled	2-15 mm
	Filled	upto 20 mm



#### FEATURES

- Low odour
- Self-levelling properties
- Rapid drying
- Use in clinical areas
- Application thickness from 2 - 20mm
- Extended open time

#### STANDARDS

STOPGAP 200 complies to BS EN 13813:2002 which 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

Powder - 25kg lined paper sack  
Liquid - 5 litre bottle

#### HOW MUCH MATERIAL?

APPLIED THICKNESS	COVERAGE PER UNIT	CONSUMPTION PER 100m <sup>2</sup> AREA	GRADED AGGREGATE
3mm	4.9m <sup>2</sup>	21 units	n/a
5mm	2.9m <sup>2</sup>	35 units	n/a
10mm	1.5m <sup>2</sup>	69 units	n/a
15mm filled mix	1.3m <sup>2</sup>	79 x units and 40 x aggregate	

Note: Coverage rates are for guidance purposes only 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 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 underlayment.

For dry (<75% RH) and suitably prepared calcium sulphate screeds, e.g. anhydrite use neat STOPGAP P121.

**Non-absorbent surfaces** – such as STOPGAP Waterproof Surface Membranes, sound flooring grade asphalt, minimal adhesive residues, terrazzo, and quarry tiles, 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

**Standard Mix:** Add 5.0 litres of STOPGAP 200 Acrylic liquid 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 liquid to prevent separation of the mix.

Mix only with STOPGAP 200 Acrylic liquid - do not add extra liquid or water.

## 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 best results, an overall thickness of at least 3mm should be maintained.

STOPGAP 200 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 2 hours after application at 20°C. This time will be extended with reduced temperatures i.e. approximately 4 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.

## CLEANING

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

Powder: 6 months in unopened bags and stored under good conditions.

Liquid: 12 months in unopened bottles.

## 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 to confirm this data sheet is current, please contact our Technical Services Department.

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



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## SAFETY DATA SHEET STOPGAP 200 LIQUID

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME STOPGAP 200 LIQUID  
INTERNAL ID SG200L/5  
APPLICATION Gauging Liquid  
SUPPLIER F.Ball and Co.Ltd.,  
Churnetside Business Park,  
Station Road.,  
Cheddleton,  
Staffordshire ST13 7RS  
For technical and non-emergency call:  
phone: 01538 361633.  
For advice on medical emergencies,  
fires, spillages or chemical hazards  
phone: +44(0) 870 190 6777  
Fax: 01538 361622  
E-Mail: mail@f-ball.co.uk

### 2 COMPOSITION/INFORMATION ON INGREDIENTS

#### COMPOSITION COMMENTS

Water based polymer emulsion The product does not contain any hazardous ingredients in a concentration that requires declaration in this section.

### 3 HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

### 4 FIRST-AID MEASURES

#### INHALATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

#### INGESTION

Rinse mouth thoroughly. Drink plenty of water. Do not induce vomiting. Get medical attention if any discomfort continues.

#### SKIN CONTACT

Wash skin thoroughly with soap and water. Remove contaminated clothing. Get medical attention if irritation persists after washing.

#### EYE CONTACT

Immediately rinse with water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

### 6 ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

Use protective gloves, goggles and suitable protective clothing.

#### ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground.

#### SPILL CLEAN UP METHODS

Small Spillages Absorb with sand or other inert absorbent. Large Spillages Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Wear necessary protective equipment.

### 7 HANDLING AND STORAGE

**STOPGAP 200 LIQUID****USAGE PRECAUTIONS**

Provide good ventilation. Do not use in confined spaces without adequate ventilation and/or respirator. Avoid contact with skin and eyes. Observe good industrial hygiene practices. Do not eat, drink or smoke when using the product.

**STORAGE PRECAUTIONS**

Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store in closed original container at temperatures between 5°C and 30°C. Protect from freezing and direct sunlight.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION****ENGINEERING MEASURES**

Provide adequate ventilation.

**HAND PROTECTION**

For prolonged or repeated skin contact use suitable protective gloves. Nitrile gloves to BSEN374 are recommended. Break through times can vary depending on thickness, use and source. Change gloves regularly.

**EYE PROTECTION**

If there is a risk of splashing, wear chemical resistant goggles or visor approved to BS EN166.

**HYGIENE MEASURES**

Good personal hygiene practices should be followed when working with chemicals.

**PERSONAL PROTECTION**

Always check applicability with your supplier of protective equipment.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Liquid		
COLOUR	White		
ODOUR	Typical acrylic		
RELATIVE DENSITY	1.01 approx @20 degC	VOLATILE BY VOL. (%)	90 - 92% w/w approx
pH-VALUE, CONC. SOLUTION	7.5 - 8.5 approx	FLASH POINT (°C)	N/A

**10 STABILITY AND REACTIVITY****STABILITY**

Stable under normal temperature conditions and recommended use.

**CONDITIONS TO AVOID**

Avoid frost. Avoid exposure to high temperatures or direct sunlight.

**11 TOXICOLOGICAL INFORMATION****INHALATION**

May cause some discomfort in poorly ventilated areas.

**INGESTION**

May cause discomfort if swallowed.

**SKIN CONTACT**

Prolonged contact may cause redness and irritation. Skin irritation is not anticipated when used normally.

**EYE CONTACT**

May cause irritation, soreness and reddening of the eyes

**12 ECOLOGICAL INFORMATION****ECOTOXICITY**

There are no data on the ecotoxicity of this product.

**13 DISPOSAL CONSIDERATIONS****DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements. Small quantities may be absorbed in sand and allowed to dry, prior to disposal as low hazard waste. Larger quantities should be disposed of as controlled liquid waste via a licensed waste operator.

**WASTE CLASS**

Waste Code for product : 160306

**14 TRANSPORT INFORMATION**

## STOPGAP 200 LIQUID

GENERAL The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).  
No transport warning sign required.

ADR CLASS Not classified for transportation. MARINE POLLUTANT No.

### 15 REGULATORY INFORMATION

RISK PHRASES NC Not classified.

SAFETY PHRASES NC Not classified.

### 16 OTHER INFORMATION

GENERAL INFORMATION

F.Ball and Company Ltd Technical Datasheet.

REVISION COMMENTS

Section 1: Addition of emergency telephone number. Section 8 : Improved PPE information. Section 13: Addition of waste codes.

REVISION DATE 13/6/06

REV. NO./REPL. SDS GENERATED 5

RISK PHRASES IN FULL