BALL

STOPGAP 1400
High Flow Smoothing Compound

Declared performance: CT-C20-F6 to EN 13813:2002

INTRODUCTION

STOPGAP 1400 is a high flowing, two-component smoothing compound suitable for preparing sound internal subfloors prior to the installation of new floorcoverings.

STOPGAP 1400 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 1400 is dimensionally stable and is supplied as a pre-blended dry powder and liquid which is designed for application between 2 – 10mm.

COVERAGE

A 20kg bag of STOPGAP 1400 Powder mixed with 4.5 litres of STOPGAP 1400 Liquid will cover approximately 5.9m² at a thickness of 2mm.

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.**

HOW MUCH MATERIAL

APPLIED THICKNESS	COVERAGE PER UNIT	CONSUMPTION PER 100M² AREA
2mm	5.9m²	17 units
5mm	2.3m²	43 units
10mm	1.1m²	85 units

Coverage rates are based on 4.5 litre liquid addition and will vary according to the condition of the subfloor.

FEATURES

- Excellent self-smoothing properties
- High flow properties
- Low odour
- Application thickness from 2 – 10mm
- Walk-on from 90 minutes
- Lay floorcoverings from 12 hours
- Protein free

STANDARDS
EN 13813:2002
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.

TECHNICAL INFORMATION

Declared performance	CT-C20-F6
Working time @ 20°C	20 - 30 minutes
Walk on time @ 20°C	From 90 minutes
At 3mm ready to receive most floorcoverings:	From 12 hours
Compressive strength N/mm² (EN 13892-2) 1 Day 7 Days 28 Days	 >10.0 >15.0 >20.0
Flexural strength N/mm² (EN 13892-2) 1 Day 7 Days 28 Days	 >2.0 >4.0 >6.0
Consumption per mm thickness	1.70 kg/m²
Application thickness Unfilled	2-10mm

PRIMING

Absorbent surfaces

Absorbent surfaces can be primed with STOPGAP P131 diluted 1:4 with water to assist in preventing rapid drying, pinholing and to aid the flow and workability.

Non-absorbent surfaces

STOPGAP epoxy waterproof surface membranes, sound asphalt, minimal adhesive residues, terrazzo and quarry tiles should be primed with neat STOPGAP P141 to ensure that good adhesion is obtained between the smoothing 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

Add 4.5 litres of STOPGAP 1400 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.

Mix only with STOPGAP 1400 Liquid.

APPLICATION

Pour the mixed material onto the prepared substrate and allow to flow and attain a smooth finish.

Minimal work with a smoothing trowel is required. A spiked roller should be used 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 2mm to 10mm, but can be taken down to a feather edge if required.

For optimum smoothing characteristics, an overall thickness of at least 3mm should be maintained.

STOPGAP 1400 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 temperature i.e. approximately 3 hours at 10°C.

DRYING

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

On very dry absorbent surfaces, at a nominal 3mm thickness, the compound will be ready to receive most floorcoverings from 12 hours in good drying conditions (65% Relative Ambient Air Humidity) with good air change. At an applied thickness up to 10mm, most floorcoverings can be installed after 24 hours.

PRECAUTIONS

If applying to asphalt, ensure a minimum application of 3mm and a maximum application of 6mm is used and is applied uniformly.

TOOLS

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

Powder - 20kg lined paper sacks.
Liquid - 4.5 litre bottles.

SHELF LIFE

Powder: 6 months in unopened bags and stored under good conditions.
Liquid: 12 months in unopened bottles.

HEALTH & SAFETY

This product is classified. Obtain the relevant Safety Data Sheets and follow the advice given.

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.