



# STOPGAP 400 REPAIR

## Rapid Repair Compound for Floors

Screed classification: CT-C30-F4 to BS EN 13813:2002

### PRODUCT DATA

#### INTRODUCTION

**STOPGAP 400** is a rapid drying, fast setting repair compound for repairing internal floors prior to the application of STOPGAP smoothing compounds in light to heavy duty applications. It is also suitable for use on stairs, steps and general repairs to cracks and holes.

STOPGAP 400 is dimensionally stable and is supplied as a pre-blended dry powder designed for applications between 2-50mm. It is protein-free which allows it to be used in biologically sensitive areas.

STOPGAP 400 is suitable for use over a wide range of subfloor types including sand/cement screed, concrete, sound asphalt, granolithic, terrazzo, epoxy and polyurethane resins, ceramic and quarry tiles and STOPGAP waterproof surface membranes.

#### COVERAGE

A 12kg bucket of STOPGAP 400 mixed with 2.75 litres of clean water will cover approximately 2.5m<sup>2</sup> at a thickness of 3mm.



#### FEATURES

- Slump-free compound
- Protein free for use in biologically sensitive areas
- Rapid set
- Rapid drying
- Ramps and covings can be repaired
- Can be trowelled to a feathered edge
- 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

12kg plastic bucket

#### TECHNICAL INFORMATION

BS EN 13813 Class Designation	CT-C30-F4
Mix Consistency	Thixotropic, non-slump
Working Time @ 20°C	10-15 minutes
Walk on hardness time @ 20°C	20-30 minutes
Ready to receive floor smoothing compounds	1½ hours @ 2mm
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	>2.0
7 Days	>3.0
28 Days	>4.0
Consumption per mm thickness	1.63 kg / m <sup>2</sup>
Application thickness	Unfilled 2-20 mm Filled 20-50 mm

#### HOW MUCH MATERIAL?

APPLIED THICKNESS	COVERAGE PER UNIT	CONSUMPTION PER 1m <sup>2</sup> AREA APPROX	GRADED AGGREGATE
3mm	2.5m <sup>2</sup>	½ bucket	n/a
6mm	1.25m <sup>2</sup>	¾ bucket	n/a
15mm	0.5m <sup>2</sup>	2 buckets	n/a
50mm filled mix	0.24m <sup>2</sup>	4 x bucket and 2 x aggregate	

## 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

**Absorbent surfaces** - should be dampened with water. Very absorbent surfaces must be primed with dilute STOPGAP PI31 primer.

**Non absorbent** - surfaces must be primed with neat STOPGAP PI31 primer.

Primer should be used in accordance with the instructions printed on the bottle and must be allowed to dry before applying the repair mortar.

## MIXING

Mix only a quantity that can be applied before the product thickens (approximately 10 - 15 minutes at 20°C). If a mix should thicken before it has all been applied it should be discarded, extra water should not be added.

**Standard mix:** Mix in the proportion of 3 – 4 parts of powder to 1 part water. Pour the water into a suitably sized bucket then gradually add the powder, whilst stirring, until a smooth, lump free consistency is achieved. We would not recommend the use of a standard mix above 20mm.

**Filled mix:** Add STOPGAP graded aggregate to the standard mix at the rate of 1 part by volume of graded aggregate to 1 part of powder.

For increased economy and small localised repairs over 20mm and not exceeding 50mm, the filled mix should be used.

Mixing is best achieved by the use of a STOPGAP power whisk fitted in an electric drill.

## Water addition

If mixing a full bucket, do not exceed 3.0 litres.

## APPLICATION

For best results over a large area, a minimum thickness of 2 – 3mm should be maintained. Trowel the mix onto the subfloor and spread to the required thickness with a steel trowel. For increased economy, with applications of more than 6mm, the filled mix can be used. If a smooth finish is required, the filled mix can be applied below the required level and allowed to set, and then smoothed with a layer of unfilled mortar or a STOPGAP floor smoothing underlayment. If required the finish of the mortar can be improved by the use of a wet smoothing trowel before the mortar has fully set, typically 15 to 20 minutes at 20°C.

This product is not recommended for external use.

## SETTING

The initial set time of the repair compound is approximately 15 to 25 minutes and should be sufficiently hard to walk on in about 30 minutes under good conditions. Low temperatures will extend this time.

## DRYING

STOPGAP 400 is suitable for fast track applications. Floorcoverings can be applied after 1½ hours at 20°C @ 2mm.

## 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.

## SHELF LIFE

9 months in unopened buckets 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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