



# STOPGAP 400 REPAIR

## Rapid Repair Compound for Internal Floors

Declared performance: CT-C30-F4 to EN13813:2002

### INTRODUCTION

STOPGAP 400 is a fast setting, rapid drying 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

#### Standard Mix

A 10kg unit of STOPGAP 400 mixed with 2.3 litres of clean water will cover approximately 2m<sup>2</sup> at a thickness of 3mm.

1 litre of mortar will cover approximately 1m<sup>2</sup> per mm in thickness.

#### Filled Mix

10kg of STOPGAP 400 powder mixed with an equal volume of STOPGAP GRADED AGGREGATE, mixed with 1 litre of water will cover approximately 0.80m<sup>2</sup> at a thickness of 10mm.

### HOW MUCH MATERIAL

APPLIED THICKNESS	COVERAGE PER UNIT	CONSUMPTION PER 100M <sup>2</sup> AREA	GRADED AGGREGATE
3mm	2.0m <sup>2</sup>	½ pouch	n/a
6mm	1.0m <sup>2</sup>	1 pouch	n/a
15mm	0.4m <sup>2</sup>	2½ pouches	n/a 50mm filled mix
50mm filled mix	0.15m <sup>2</sup>	6 x 10kg pouches and 2 x aggregates	

### FEATURES

- Slump-free compound
- Protein free for use in biological sensitive areas
- Fast setting
- Rapid drying
- Ramps and covings can be repaired
- Can be trowelled to a feather edge
- Low odour

### STANDARDS

All aspects of the installation of floorcoverings should be in accordance with the Australian Standards, e.g., AS 1884:2001, AS 2455.2:2019.

SCAN QR CODE  
TO VIEW PRODUCT DEMO VIDEO



## TECHNICAL INFORMATION

Declared performance	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	1 <sup>1/2</sup> hours @ 2mm
Compressive Strength N/mm2 (EN 13892-2)	
1 Day	>20.0
7 Days	>25.0
28 Days	>30.0
Flexural Strength N/mm2 (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 Filled
	2-20 mm 20-50 mm

## SURFACE PREPARATION

Floor surfaces must be suitably prepared: sound, dry and free from contaminants that may prevent adhesion.

Where a concrete substrate moisture content is greater than 85% relative humidity (ASTM F2170) or exceeds 15gm/m<sup>2</sup>/24hrs (ASTM F1869) when tested in accordance with AS 1884, a STOPGAP moisture protection system should be used.

Concrete must be fully cured and any laitance or surface treatments must be removed. The temperature of the floor must be maintained above 10°C throughout the application and drying of the smoothing 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

**Absorbent surfaces** - should be dampened with water. Very absorbent surfaces must be primed with dilute STOPGAP P131 primer.

**Non-absorbent** - surfaces must be primed with neat STOPGAP P141 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 unit, do not exceed the recommended water addition rates quoted.

## 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 compound. 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.

## TOOLS

- Suitable steel smoothing trowel
- Mixing bucket
- Electric drill
- Power whisk
- Wash tools with water immediately after use

## PACK SIZE

10kg eco-pouch.

## STORAGE

This product must be stored under cover, in unopened pouches clear of the ground in cool dry conditions, protected from frost and excessive draught.

## SHELF LIFE

12 months in unopened pouches and stored under good conditions.

## HEALTH & SAFETY

This product is classified. Relevant safety data sheets and advice given can be found at [www.f-ball.com](http://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.

## 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.

Where ambient temperatures are greater than 20°C ensure STOPGAP 400 is mixed with clean, cold water to maintain working times and avoid flash setting. Ensure product is not stored in direct sunlight as this can significantly reduce working times and cause the product to set in the mixing bucket.

## DRYING

STOPGAP 400 is suitable for fast track applications. Floorcoverings can be applied after 11/2 hours at 20°C @ 2mm.

**FOR FURTHER INFORMATION ABOUT F. BALL PRODUCTS OR MORE DETAILED TECHNICAL ASSISTANCE, VISIT F-BALL.COM OR CALL +44 (0)1538 361633**



### **F. Ball and Co. Ltd.**

Churnetside Business Park,  
Station Road, Cheddleton,  
Leek, Staffordshire.

ST13 7RS UK

Tel: +44 (0) 1538 361633

[www.f-ball.com](http://www.f-ball.com)

[mail@f-ball.co.uk](mailto:mail@f-ball.co.uk)