



# STOPGAP 1500

## High Performance, Water-Mix Smoothing Compound

Declared performance: CT-C16-F6 to EN 13813:2002

### INTRODUCTION

STOPGAP 1500 is a fast setting, fast drying, water-mix smoothing compound suitable for preparing sound internal subfloors prior to the installation of new floorcoverings.

STOPGAP 1500 can be applied directly over old adhesive residues such as bitumen and carpet tile tackifiers without the need for priming. STOPGAP 1500 can be used for patch filling timber floors prior to overlaying with plywood. It is suitable for use in clinical and biologically sensitive areas such as hospitals, laboratories, clean rooms etc.

STOPGAP 1500 is moisture tolerant which makes it suitable for application over damp, clean, uneven concrete screeds, prior to the application of STOPGAP waterproof surface membranes.

STOPGAP 1500 can also be applied over other subfloor types including STOPGAP waterproof surface membranes, concrete, autoclaved aerated concrete, fibre cement sheet conforming to AS/NZS 2908.2, HP MDF conforming to AS/NZS 1859.2, Hardboard underlay conforming to AS/NZS 21854.9, Plywood underlay grade C conforming to AS/NZS 2269.0 steel, old vinyl asbestos tiles, epoxy and polyurethane resins, ceramic and quarry tiles.

### COVERAGE

A 20kg bag of STOPGAP 1500 Powder mixed with 5.0 litres of water will cover approximately 5.0m<sup>2</sup> at a thickness of 2 - 3mm.

### HOW MUCH MATERIAL

| APPLIED THICKNESS | COVERAGE PER UNIT | CONSUMPTION PER 100M <sup>2</sup> AREA | GRADED AGGREGATE |
|-------------------|-------------------|--|------------------|
| 2-3mm             | 5.0m <sup>2</sup> | 20 units                               | n/a              |
| 5mm               | 2.5m <sup>2</sup> | 39 units                               | n/a              |
| 10mm              | 1.3m <sup>2</sup> | 77 units                               | n/a              |
| 30mm              | 0.5m <sup>2</sup> | 175 x powder and 88 x aggregate        |                  |

Coverage rates are based on 5.0 litre water addition and will vary according to the condition of the subfloor.

### FEATURES

- Suitable direct to adhesive residues, carpet tile tackifier and waterproof surface membranes, when applied from 2-10mm.
- Moisture tolerant - can be used under STOPGAP waterproof surface membranes
- Fast setting, Fast drying
- Bond floorcoverings from 4 hours
- Protein Free
- Excellent self-smoothing properties

### 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.

Tested in accordance with IMO FTP Code procedures, STOPGAP 1500 is in compliance with the Merchant Shipping (Marine Equipment) Regulations 2016, S.I. 2016/1025, and the Marine Equipment Directive 2014/90/EU, and approved for use as a primary deck covering.



2812/See date of manufacture  
164.106/ERO2812/MED1015Rev.1



1121/See date of manufacture  
164.106/WCL1121/MER1034Rev.1

### SCAN QR CODE TO VIEW PRODUCT DEMO VIDEO



## TECHNICAL INFORMATION

|   |                        |            |
|---|------------------------|------------|
| Declared performance                                | CT-C16-F6              |            |
| Working Time @ 20°C                                 | 15 - 20 minutes        |            |
| Setting time @ 20°C                                 | 60 minutes             |            |
| At 3mm ready to receive most floorcoverings:        | From 4 hours           |            |
| Compressive Strength N/mm <sup>2</sup> (EN 13892-2) | 1 Day                  | >6.0       |
|   | 7 Days                 | >10.0      |
|   | 28 Days                | >16.0      |
| Flexural Strength N/mm <sup>2</sup> (EN 13892-2)    | 1 Day                  | >2.0       |
|   | 7 Days                 | >4.0       |
|   | 28 Days                | >6.0       |
| Consumption per mm thickness                        | 1.53 kg/m <sup>2</sup> |            |
| Application thickness                               | Unfilled               | 2-10 mm    |
|   | Filled                 | Up to 30mm |

## 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.

STOPGAP 1500 is moisture tolerant and can be applied direct to damp (>85% RH) concrete subfloors to pre-smooth prior to the application of STOPGAP waterproof surface membranes.

Concrete screeds 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 compound. Underfloor heating must be off for at least 48 hours before, during and after application.

Plywood shall be fixed in accordance with the requirements for structural sheet flooring outlined in AS 1684.

For detailed information, request the **F. Ball Subfloor Preparation Guide**.

## PRIMING

### Absorbent surfaces

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

If using under a DPM onto damp concrete prime with STOPGAP P131 diluted 1:7 with water, prior to application.

### Non-absorbent surfaces – Priming is not required.

Where underfloor heating is present or when applying direct to STOPGAP epoxy waterproof surface membranes laid longer than 24 hours prime with neat STOPGAP P141.

STOPGAP FILL AND PRIME can be used when covering ceramic tiles to mitigate the appearance of grout lines.

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 5.0 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 4.75 litres to prevent separation of the mix.

## TOOLS

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

20kg lined paper sacks.

## SHELF LIFE

9 months in unopened bags 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.

## 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 unfilled or up to 30mm filled, 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 1500 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 60 minutes after application at 20°C. This time will be reduced with increased temperature i.e. approximately 30 minutes at 30°C.

Where ambient temperatures are greater than 20°C, ensure STOPGAP 1500 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.

STOPGAP 1500 can be pump applied, please contact our Technical Service Department for details.

## DRYING

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

On all surfaces, at a nominal 2 - 5mm thickness, the compound will be ready to receive floorcoverings from 4 hours.

At an applied thickness of 6 - 10mm, most floorcoverings can be installed after 24 hours. For thicknesses greater than 10mm and up to 30mm, the drying time will be extended up to 7 - 14 days.

When used to pre-smooth prior to the application of a STOPGAP waterproof surface membrane the compound should be left for a minimum of 24 hours before proceeding.

## PRECAUTIONS

Not suitable for use over adhesive residues beneath surface damp proof membranes or over water softenable adhesive residues - these residues must be fully removed.

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



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