STOPGAP 700 *SUPERFLEX*

Fibre Reinforced Floor Smoothing Underlayment

Screed classification: CT-C30-F10 to EN 13813:2002

Scan to view the product demonstration video

PRODUCT DATA

INTRODUCTION

STOPGAP 700 *SUPERFLEX* is a fast drying, fibre reinforced self-levelling smoothing underlayment designed for use on plywood, sand/cement concrete and steel subfloors prior to the installation of new floorcoverings.

STOPGAP 700 *SUPERFLEX* has been tested in accordance with IMO FTPC Part 6 (IMO Res.A687(17)) and Annex 2, item 2.2 and approved for use in marine application. STOPGAP 700 *SUPERFLEX* can be applied to suitably prepared steel decks in light to heavy-duty traffic areas. USCG approval No. 164.106/1121/WCL MED0389.

Note: STOPGAP 700 *SUPERFLEX* is not to be used as an integrated part of a horizontal A-Class division.

STOPGAP 700 *SUPERFLEX* allows resilient floorcoverings to be installed in as little as 3 hours at 20°C, making it ideal for fast-track installations and minimising downtime.

STOPGAP 700 *SUPERFLEX* is dimensionally stable and is supplied as a pre-blended dry powder which is designed for application between 2-10mm. It is protein-free which allows it to be used in biologically sensitive areas.

STOPGAP 700 *SUPERFLEX* can be used to encapsulate wire heating systems over plywood upto a maximum thickness of 10mm.

COVERAGE

A 20kg bag of STOPGAP 700 *SUPERFLEX* mixed with 5.0 litres of clean water will cover approximately 5.0m² at a thickness of 3mm.

TECHNICAL INFORMATION

EN 13813 Class Designation	CT-C30-F10
Working Time @ 20°C	20 - 30 minutes
Walk on hardness time @ 20°C	60 minutes
Ready to receive floorcoverings over: Absorbent surfaces @ 3mm Non absorbent surfaces or greater than 5mm (Temperature dependent)	 3 hours 4 hours
Compressive Strength N/mm² (EN 13892-2) 1 Day 7 Days 28 Days	 >10.0 >20.0 >30.0
Flexural Strength N/mm² (EN 13892-2) 1 Day 7 Days 28 Days	 >2.5 >5.0 >10.0
Consumption per mm thickness	1.40 kg / m²
Application thickness	2-10 mm

FEATURES

- Fibre reinforced for improved flexibility.
- Fast drying technology
- Long working time
- Designed for use over plywood, steel and raised access panels.
- Application thickness from 2-10 mm
- Excellent self-levelling properties
- Approved for marine use
- Cured density 1650 kg/m³

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

20kg lined paper sacks.

HOW MUCH MATERIAL?

APPLIED THICKNESS	COVERAGE PER UNIT	CONSUMPTION PER 100m² AREA
3mm	4.8m²	21 units
5mm	2.9m²	35 units
10mm	1.4m²	70 units

Note. Coverage rates are based on 5.0 litre water addition.

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SURFACE PREPARATION

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

Plywood should be a minimum of 6mm thick and screw fixed according to the guidelines outlined in BS 5325 and BS 8203.

Steel surfaces must be grit blasted to SA2½. The temperature of the floor must be maintained above 10°C throughout the application and drying of the underlayment. Raised access panels should be securely fixed.

For application onto other subfloors, contact Technical Service.

For detailed information, request our F. Ball Subfloor Preparation Guide.

PRIMING

It is essential to prime absorbent subfloors with dilute STOPGAP P131 primer to prevent uncontrolled rapid drying of the underlayment.

Steel surfaces must be primed with an appropriate epoxide resin deck plate primer or STOPGAP F77 before priming with neat STOPGAP P131.

The primer should be used in accordance with instructions printed on the bottle and must be allowed to dry before applying the smoothing underlayment.

MIXING

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.

Water addition

4.75 litres minimum - 5.25 litres maximum per 20kg depending on consistency and flow properties required. Do not exceed 5.25 litres of 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 10mm, but can be taken down to a feathered edge if required. For best results, an overall thickness of at least 3mm should be maintained.

STOPGAP 700 *SUPERFLEX* 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 1 hour after application at 20°C. This time will be extended with reduced temperatures i.e. approximately 2 hours at 10°C.

DRYING

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

Over absorbent plywood surfaces the compound will be ready to receive resilient floorcoverings in as little as 3 hours when applied at a thickness of 3mm. On non absorbent surfaces or application thicknesses above 5mm this time will be extended. When encapsulating wire heating elements, the total thickness of the applied STOPGAP 700 *SUPERFLEX* must not exceed 10mm.

PRECAUTIONS

This product is for internal use only.

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.

SHELF LIFE

6 months in unopened bags and stored under good conditions.

HEALTH & SAFETY ADVICE

This product is not classified. Obtain the relevant Safety Data Sheet and follow the advice given. These can be found at 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:

F. Ball and Co. Ltd.

Churnetside Business Park
Station Road, Cheddleton, Leek
Staffordshire ST13 7RS
United Kingdom

Tel: +44 (0) 1538 361633
Email: mail@f-ball.co.uk

www.f-ball.co.uk