



# STOPGAP F75

## High-Performance Waterproof Surface Membrane

### Two Coat Application System

## PRODUCT DATA

### INTRODUCTION

**STOPGAP F75** is a solvent free two part epoxy resin system which cures to provide a waterproof surface membrane. STOPGAP F75 impedes the passage of residual construction moisture and rising damp from affecting subsequent floorcovering installations, therefore allowing early installation of floorcoverings in fast track building programmes.

STOPGAP F75 is pigmented red to allow the user to visually control coverage uniformity. It can be used to isolate residual construction moisture where relative humidity values are above 92%.

### BASE PREPARATION

Subfloors must be absorbent, sound, smooth, clean, surface dry and free from dust, adhesive residues and other contaminants, which will prevent adhesion or deteriorate in damp conditions. Bases must be fully cured and laitance, surface hardeners and waterproofers must be removed. The floor temperature must be above 10°C when the membrane is applied. New concrete or sand/cement screeds must be left for a minimum of 7 days before application of the membrane. Rough or uneven concrete or sand/cement screeds must be smoothed with STOPGAP GREEN BAG and I14 Liquid. The underlayment should be left for 24 hours to dry before application of the waterproof surface membrane to minimise pinholes. Power floated subfloors should be shot blasted to assist adhesion. Bay joints in the subfloor where continual differential movement of the base is not anticipated, or small hollows may be filled with STOPGAP F75 mixed with dry sand and allowed to fully cure before applying the membrane. Care must be taken to minimise the occurrence of pinholes in the underlayment.

### SURFACE PREPARATION (APPLIED MEMBRANE)

In all cases two coats should be applied. It should be applied over the whole floor and up to the DPC in the wall where the relative humidity value of the subfloor does not exceed 98%. It is essential that hygrometer readings, in accordance with Appendix A of BS 8203 (Installation of resilient floorcoverings) or BS 5325 (Installation of textile floorcoverings) are taken and recorded prior to commencing the installation. Prime the surface with neat STOPGAP P131 primer then apply the appropriate STOPGAP smoothing underlayment to the fully cured membrane to provide an absorbent surface suitable for the application of adhesives. For details on specific floorcovering see the Recommended Adhesives Guide and adhesives data sheets, alternatively consult the Technical Service Department, where a written specification will be prepared on request.

### TECHNICAL INFORMATION

Colour	Red
Consistency	Liquid
Coverage	3.5m <sup>2</sup> per kg - 1 <sup>st</sup> coat / 5.0m <sup>2</sup> per kg - 2 <sup>nd</sup> coat
Working Time	40 minutes or 30 minutes with STOPGAP ACCELERATOR, at an ambient temperature of 20°C.
Cure Time	This greatly depends on temperature. At an ambient temperature of 20°C allow 7 - 15 hours between coats. The second coat should be left 18 - 24 hours before application of primer or adhesive. STOPGAP ACCELERATOR reduces the cure time to approximately 3 hours between coats and for overlaying the second coat at an ambient temperature of 20°C.



### FEATURES

- Impedes the passage of construction moisture and rising damp up to 98% RH.
- Colour pigmented to aid coverage uniformity.

### PACKAGING

20kg pack  
5kg and 10kg kits.

The resin and hardener are supplied in the correct quantities for mixing without measuring.

### HOW MUCH MATERIAL?

COVERAGE PER UNIT (TWO-COAT APPLICATION)
3.5m <sup>2</sup> per kg for the 1 <sup>st</sup> coat and 5m <sup>2</sup> per kg for the 2 <sup>nd</sup> coat.

Note: The coverage rate refers to a smooth, clean surface. A textured or highly absorbent surface profile will reduce the coverage rate.

## PRECAUTIONS

Mix only in full packs as mixing ratios are critical. Do not over mix as this can generate heat and shorten the normal working time. Failure to ensure that all of the resin and hardener is completely mixed prior to application will leave patches of soft uncured material on the floor and render the membrane ineffective.

Construction joints designed to allow movement of the subfloor must not be bridged with STOPGAP F75 Waterproof Surface Membrane. These joints must be sealed with a suitable impervious flexible jointing compound after the application of the membrane.

Do not store the products above 25°C prior to mixing as this will shorten the normal working time.

Not suitable over floors that incorporate an underfloor heating system.

Do not use over synthetic anhydrite subfloors.

## MIXING

Empty all the contents of the Hardener container into the Resin container and thoroughly stir together using a power whisk fitted in a low speed electric drill, until a uniform colour and consistency is achieved (approximately 2 minutes). Scrape the sides of the container to ensure all the Resin component has been mixed. If required, add STOPGAP ACCELERATOR and mix for a further minute. **STOPGAP F75 hardens by chemical reaction. It is important that once mixed the membrane is applied immediately to the subfloor.**

## APPLICATION

Pour the mixed product onto the floor immediately after mixing. Spread the material with a brush or STYCCOBOND paint roller, working well into the surface to ensure a continuous application. The second coat must be applied after the first coat has been allowed to cure, so that the surface is tack free. This is normally after 7 - 15 hours depending on the temperature. Do not leave it longer than 24 hours. Apply the second coat as previously described at right angles to the first coat. When the second coat of the membrane has fully cured apply neat STOPGAP P131 General Purpose Neoprene Primer, before applying a smoothing underlayment. It is essential that the membrane hardens to form a continuous coating, free from pinholes or weak spots and that it has a glossy red finish over the whole surface. When applied to very absorbent surfaces the membrane can be absorbed into the subfloor leaving a subdued shine. In such instances or where pinholes are evident a further application will be required, as detailed above.

Under certain conditions it may be possible to apply a suitable adhesive such as STYCCOBOND F40, F41, F46, F47 or B95 direct to the fully cured membrane.

## WORKING TIMES

Once mixed and poured onto the floor STOPGAP F75 will remain workable for approximately 40 minutes at 20°C. If STOPGAP ACCELERATOR has been used the working time will be approximately 30 minutes. At lower temperatures the time will be extended. If mixed and left in the container, the working time of STOPGAP F75 will be significantly reduced.

## CURING TIMES

This greatly depends on temperature. At an ambient temperature of 20°C allow 7 - 15 hours between coats. The second coat should be left 18 - 24 hours before application of primer where necessary and a smoothing underlayment. A suitable adhesive or surface tackifier can be applied directly to the membrane after 18 - 24 hours. At lower temperatures the cure time will be extended. STOPGAP ACCELERATOR reduces the cure time to approximately 3 hours (at an ambient temperature of 20°C) between coats and for overlaying the second coat.

## TOOLS

Medium stiff paint brush or roller. Use STYCCOCLEAN C141 general purpose cleaner to remove uncured material from tools and equipment.

## STORAGE

Store between 5°C and 30°C.

## SHELF LIFE

18 months in unopened containers 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 Sheets and follow the advice given. These can be found at [www.f-ball.co.uk](http://www.f-ball.co.uk). Alternatively, these can be requested 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 our Technical Service Department.

**For further information about F. Ball products or more detailed technical assistance, please contact:**



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