



# STOPGAP F76

## HIGH-PERFORMANCE WATERPROOF SURFACE MEMBRANE

### ONE COAT APPLICATION SYSTEM

## PRODUCT DATA

### INTRODUCTION

**STOPGAP F76** is a solvent free two part epoxy resin system which cures to provide a waterproof surface membrane. STOPGAP F76 prevents the passage of residual construction moisture from affecting subsequent floorcovering installations, therefore allowing early installation of floorcoverings in fast track building programmes. STOPGAP F76 is pigmented blue to allow the user to visually control coverage uniformity. It can be used to isolate residual construction moisture where relative humidity values are up to 92%.

### BASE PREPARATION

Subfloors must be absorbent, sound, smooth, clean, surface dry and free from dust, grease, old adhesive residues and other contaminants which will prevent adhesion or deteriorate in damp conditions. Bases must be fully cured and any 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 surfaces must be smoothed over with STOPGAP 900 DPM-PREP acrylic smoothing underlayment. The underlayment should be left for 24 hours to dry before application of the waterproof surface membrane. 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 F76 mixed with dry sand and allowed to fully cure before applying the membrane.

### SURFACE PREPARATION (APPLIED MEMBRANE)

STOPGAP F76 is applied over the whole floor and up to the DPC in the wall where the relative humidity value of the subfloor does not exceed 92%. It is essential that hygrometer readings in accordance with Appendix A of BS8203 (Installation of resilient floorcoverings) or BS5325 (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 floorcoverings see the STYCCOBOND Recommended Adhesives Guide and adhesives data sheets, alternatively consult the Technical Services Department, where a written specification will be prepared on request.

### TECHNICAL INFORMATION

Colour	Blue
Consistency	Liquid
Coverage	3m <sup>2</sup> per kg
Working Time	40 minutes when poured on to the floor at 20°C. 30 minutes with STOPGAP ACCELERATOR when poured onto the floor at 20°C.
Cure Time	Approximately 18 - 24 hours at a floor temperature of 20°C. Approximately 3 hours with STOPGAP ACCELERATOR at a floor temperature of 20°C.



### FEATURES

- Suppresses the passage of construction moisture and rising damp up to 92% RH with a single coat application.
- Colour pigmented to aid coverage uniformity.

### PACKAGES

5 kg and 10 kg kits. The resin and hardener are supplied in the correct quantities for mixing without measuring.

### HOW MUCH MATERIAL?

Size	Coverage per unit (1 coat application)
5kg	15m <sup>2</sup>
10kg	30m <sup>2</sup>

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 F76 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 F76 hardens by chemical reaction. It is important that once mixed the membrane is applied immediately to the subfloor.**

## APPLICATION

Pour the product onto the floor immediately after mixing. Spread the membrane using the supplied trowel to obtain the correct coat weight. Then using a roller pre-wetted with the membrane obtain an even, pinhole free coating, ensuring that the coverage rate quoted is not exceeded. It is essential that the membrane hardens to form a continuous coating, free from pinholes or weak spots and that it has a glossy blue 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 and weak spots are evident, a second application will be required. When the membrane has fully cured apply neat STOPGAP P131 general purpose neoprene primer before applying a smoothing underlayment.

### NOTE:

When applying STOPGAP 100 smoothing underlayment, within 24 hours of curing, to STOPGAP F76, priming is not required – please refer to the STOPGAP 100 data sheet for further information.

Under certain conditions it may be possible to apply a suitable adhesive such as STYCCOBOND F40, F41, F46, B93 or B95 direct to the fully cured membrane.

## WORKING TIMES

Once mixed and poured on to the floor STOPGAP F76 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 F76 will be significantly reduced.

## CURING TIMES

This greatly depends on temperature. At 20°C allow 18-24 hours before the application of a primer where necessary followed by a smoothing underlayment. A suitable pressure sensitive adhesive or surface tackifier can also be applied directly to the membrane after 18-24 hours. At lower temperatures the cure time will be extended. If STOPGAP ACCELERATOR has been used the cure time will be reduced to about 3 hours at 20°C.

## TOOLS

Trowel (supplied) and roller.

Use STYCCOCLEAN CI41 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 Services Department.

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



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