



STYCCOBOND F81

Epoxy Flooring Adhesive

PRODUCT DATA

INTRODUCTION

STYCCOBOND F81 is a solvent free, two-part epoxy adhesive designed for use in areas that may be subject to surface water. When the adhesive has cured it is resistant to water, oil and grease. Although it is suitable for outdoor use, it is not intended to be used as, or a substitute for a waterproof surface membrane.

STYCCOBOND F81 can be used for securing a wide range of floorcoverings including some vinyl and rubber floorings, PVC backed synthetic grass carpet and fibrebonded carpets.

Refer to the STYCCOBOND Recommended Adhesives Guide for details of specific floorcoverings.



STYCCOBOND F81 has been tested to the standards of the International Maritime Organisation and approved for use in marine floor installations by DNV - Det Norske Veritas.

STYCCOBOND F81 can be applied to STOPGAP and PREPDEK smoothing underlayments, sound, smooth subfloors of concrete, granolithic, sand/cement screeds and plywood.

Sound flooring grade asphalt and Tarmacadam must be skimmed with a minimum of 3mm of the appropriate STOPGAP smoothing underlayment.

For details on other subfloors, contact our Technical Services Department.

TECHNICAL INFORMATION

| | | |
|-------------------------|--|--------|
| Colour | Resin | Yellow |
| | Hardener | Blue |
| | Mixed | Green |
| Consistency | Creamy | |
| Coverage Rate (Approx.) | 2m ² per kg using a 1.5mm x 5mm trowel 1.2m ² per kg using a 2mm x 6mm trowel | |
| Pot Life | Up to 60 minutes depending on temperature, humidity and absorbency of the subfloor | |
| Working Time (Approx.) | 2 hours at 20°C | |
| Cure Time | At 18°C will allow foot traffic in 24 hours, light wheeled traffic in 3 days and normal use after 7 days | |

FEATURES

- Long open time
- Heavy-duty applications
- Solvent free
- Trowel applied
- Approved for marine use

STANDARDS

All aspects of the installation of floorcoverings should be in accordance with the requirements of the relevant British Standard Code of Practice i.e. BS 8203 (Installation of resilient floorcoverings) or BS 5325 (Installation of textile floorcoverings) and supplementary specifications.

PACKAGES

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

HOW MUCH MATERIAL?

| PACK SIZE | TROWEL SIZE | COVERAGE PER UNIT |
|-----------|-------------|-------------------|
| 5kg | 1.5mm x 5mm | 10m ² |
| 5kg | 2mm x 6mm | 6m ² |

Note: Coverage rates will depend on the condition and absorbency of the subfloor.

SURFACE PREPARATION

Proper subfloor preparation is essential for the correct installation of any floorcovering. Subfloors must be structurally sound, smooth, dry (<75% RH) and free from laitance and any contaminants which will affect adhesion. Use STYCCOCLEAN C140 for removing grease, oil, polish, soap etc. from non-absorbent substrates.

Concrete and sand/cement 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 curing of the adhesive. 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.

DAMP SUBFLOORS

The Relative Humidity (RH) of the subfloor can be measured using the F. Ball Digital Hygrometer. Where the RH value is greater than 75% the appropriate STOPGAP Waterproof Surface Membrane should be applied.

SMOOTHING

To ensure a level surface on which to adhere to, uneven and irregular surfaces should be suitably prepared using STOPGAP smoothing underlayments.

PRIMING

Priming is not required.

MIXING

Stir the hardener (blue part) then empty all the contents of the container into the resin (yellow part) container. Using a power whisk fitted to a slow speed electric drill, mix the two components together for approximately 2 minutes or until a uniform colour and consistency is achieved. Alternatively the two components may be mixed together stirring by hand with a stick, scraping the sides of the container, until there are no streaks and the colour is uniform.

ADHESIVE APPLICATION

Floorcoverings must be allowed to flatten and cut to fit before mixing the adhesive. Holding the trowel at an angle of 60°, spread the adhesive evenly to an area that can be covered within the working time of the adhesive. Immediately lay the floorcovering into the wet adhesive, pressing from the centre outwards to exclude air. Roll to ensure overall contact with the adhesive.

Under certain circumstances, it may be necessary to apply weights to some floorcoverings to maintain contact until the adhesive has set - about 12 hours.

When laying floorcoverings with deeply profiled or studded backings, apply sufficient adhesive to ensure that the voids are filled when the floorcovering is laid into the adhesive. This will result in a lower coverage rate than that quoted above.

The open time of the adhesive is dependent on temperature, humidity and absorbency of the subfloor.

PRECAUTIONS

Mix only in full packs as mixing ratios are critical.

Do not apply loads or move furniture on the floorcovering until the adhesive has set.

TOOLS

STYCCOBOND 1.5mm x 5mm 'V' notched trowel for smooth backed floorcoverings. STYCCOBOND 2mm x 6mm 'V' notched trowel for textile or floorcoverings with a profiled backing. F. Ball 68kg flooring roller.

Clean tools with STYCCOCLEAN C141 floor cleaner immediately after use.

STORAGE

Store between 5°C and 30°C. Protect from frost.

SHELF LIFE

12 months in unopened containers stored under good conditions.

HEALTH AND 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 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 Services 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
Fax: +44 (0) 1538 361622
Tech Services Fax: +44 (0) 1538 361567
Email: mail@f-ball.co.uk

www.f-ball.co.uk