



STYCCOBOND F81

Epoxy Flooring Adhesive

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 fibre bonded carpets.

See the **F. Ball Recommended Adhesives Guide** for details of specific floorcoverings.

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

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

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

TECHNICAL INFORMATION

Colour	Resin - Yellow, Hardener - Blue, Mixed - Green
Consistency	Creamy
Coverage rate (Approx.)	Up to 2.5m ² per kg using a STYCCOBOND 1.5mm x 5mm or A2 'V' notched trowel Up to 2.0m ² per kg using a STYCCOBOND 2mm x 6mm or B2 'V' notched trowel
Pot life	Up to 60 minutes depending on the temperature 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

COVERAGE

PACK SIZE	TROWEL SIZE	COVERAGE PER UNIT
5kg	1.5mm x 5mm or A2	12.5m ²
5kg	2mm x 6mm or B2	10.0m ²

Coverage rates will depend on the condition and absorbency of the subfloor



FEATURES

- Long open time
- Heavy-duty applications
- Solvent free
- Trowel applied
- Suitable with underfloor heating
- 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.

Tested in accordance with IMO FTP Code procedures, STYCCOBOND F81 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 an adhesive for flooring applications only.



2812/See date of manufacture
164.117/ERO2812/MER0402Rev.1



1121/See date of manufacture
164.117/WCL1121/MER0402Rev.1

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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. Steel must be bright and free of any contaminants which would affect adhesion.

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

STYCCOBOND F81 allows for the installation of some floorcoverings in conditions which do not fully meet the requirements of BS 5325 for textile floorcoverings or BS 8203 for sheet and tile floorcoverings, e.g. in respect to subfloor dryness, but in all other respects these standards should be followed.

Although it is not necessary for subfloors to be totally dry in all cases, the surface must be visibly dry before the adhesive is applied.

Where impervious floorcoverings are to be installed, 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 compounds.

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, scraping the sides and bottom of the container, for approximately 2 minutes or until there are no streaks and a uniform colour and consistency is achieved.

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 - approximately 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 overleaf.

The open time of the adhesive is dependent on the temperature of the subfloor.

PRECAUTIONS

Mix only in full packs as mixing ratios are critical.

Do not excessively roll resilient floorcoverings.

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

TOOLS

- STYCCOBOND 1.5mm x 5mm 'V' notched trowel or A2 trowel for smooth backed floorcoverings
- STYCCOBOND 2mm x 6mm 'V' notched trowel or B2 trowel for textile or floorcoverings with a profiled backing
- F. Ball 68kg flooring roller
- Clean tools with F. Ball STYCCO-WIPES immediately after use

STORAGE

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

PACK SIZE

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

SHELF LIFE

18 months in unopened containers 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.

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.



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ABOUT F. BALL PRODUCTS OR
MORE DETAILED TECHNICAL
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