



# STYCCOBOND F40

## High Tack Dual Bond Adhesive

### PRODUCT DATA

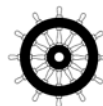
#### INTRODUCTION

**STYCCOBOND F40** is a solvent free synthetic polymer emulsion adhesive, developed to provide a peelable bond for release underlays. It can also be used as a permanent or release bond adhesive when fixing carpets. It is water based and dries to form a transparent, permanently tacky coating.

The type of bond achieved is dependent on when the floorcovering is laid into the adhesive. Laying the floorcovering into the adhesive once it has dried enables the underlay or carpet to be lifted when required, without significant damage to either floorcovering or subfloor. Laying the floorcovering into wet adhesive gives a permanent bond. It is suitable for use over normal underfloor heating installations.

STYCCOBOND F40 can be used for securing a wide range of carpets which include those with felt, secondary, unitary and many other backings. It is also suitable for fixing certain release underlays which have been specifically developed for release bonding.

See the STYCCOBOND Recommended Adhesives Guide for details of specific floorcoverings.



STYCCOBOND F40 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 F40 can be applied to STOPGAP smoothing underlayments, structurally sound, smooth, dry subfloors of concrete and sand/cement screed, plywood, flooring grade chipboard and hardboard.

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

STYCCOBOND F40 can be applied directly to non-absorbent subfloors such as STOPGAP Waterproof Surface Membranes, Corrosion Treated Steel, Terrazzo, and Granolithic Tiles.

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

#### TECHNICAL INFORMATION

Colour	White
Consistency	Viscous Liquid
Coverage Rate (Approx.)	4m <sup>2</sup> - 7m <sup>2</sup> per litre with a 1.5mm x 5mm trowel 7m <sup>2</sup> - 9m <sup>2</sup> with a roller
Drying Time (Approx.)	40 minutes depending on temperature, humidity and absorbency of the subfloor



#### FEATURES

- Provides a quick peelable release option for carpet and underlay systems
- Solvent free
- 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 5325 (Installation of textile floorcoverings) and supplementary specifications.

#### PACKAGES

15 litre bucket  
5 litre bucket

#### HOW MUCH MATERIAL?

PACK SIZE	TROWEL SIZE	COVERAGE PER UNIT
15 litres	1.5mm x 5mm	60 - 105m <sup>2</sup>
15 litres	Roller	105 - 135m <sup>2</sup>
5 litres	1.5mm x 5mm	20 - 35m <sup>2</sup>
5 litres	Roller	35 - 45m <sup>2</sup>

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 drying 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 the appropriate STOPGAP smoothing underlayments.

## PRIMING

Highly absorbent subfloors such as sand/cement screeds and plywood etc. may cause rapid drying of the adhesive, thus reducing the open time. Use STOPGAP P131 diluted 4 parts of water and stir until thoroughly dispersed. This should be allowed to dry thoroughly before proceeding with the installation.

Dry and suitably prepared calcium sulphate screeds e.g. anhydrite must be primed with neat STOPGAP P121.

## ADHESIVE APPLICATION

### DUAL BOND SYSTEM

**Peelable bond - carpets** - Holding the notched trowel at an angle of 60°, apply the adhesive evenly to the subfloor. Allow the adhesive to dry completely to a clear tacky coating before laying the carpet. Following the carpet manufacturers instructions, lay the floorcovering and press from the centre outwards to exclude air and then apply pressure by rolling with a 68kg flooring roller, from end-to-end and side-to-side.

**Peelable bond - underlays** - Apply the adhesive to the subfloor using the notched trowel or paint roller as specified by the underlay manufacturer. Allow the adhesive to dry completely to a clear tacky coating before laying the underlay. Following the underlay manufacturers instructions, lay the material and press from the centre outwards to exclude air and then apply pressure using the STYCCOBOND GLYDA or soft bristle broom to ensure overall adhesion. The carpet can then be permanently bonded to the underlay immediately, with the recommended adhesive using normal installation techniques.

**Permanent bond - carpets** - Holding the notched trowel at an angle of 60°, apply the adhesive evenly to the subfloor. Leave the adhesive open for 10 - 15 minutes before laying the carpet. Following the carpet manufacturers instructions, lay the floorcovering and press from the centre outwards to exclude air and then apply pressure by rolling with a 68kg flooring roller, from end to end and side to side. It may be necessary to re-roll the carpet 30 minutes later, depending on conditions, to ensure overall adhesion is maintained.

## PRECAUTIONS

If a peelable bond is specified do not lay the underlay or carpet before the adhesive has completely dried as this will impair its release and may result in a permanent bond being formed.

Not all carpets are suitable for use over release underlay systems, check with the carpet manufacturer before proceeding. Do not apply the adhesive too thinly as this will reduce adhesion.

We would suggest that carpets are best maintained using dry cleaning methods in preference to wet extraction, thus avoiding potential for damage to the adhesive bond caused by excessive use of cleaning fluids.

## TOOLS

STYCCOBOND 1.5mm x 5mm 'V' notched trowel or STYCCOBOND Paint Roller, F. Ball 68kg flooring roller, STYCCOBOND GLYDA.

Tools should be cleaned with warm soapy water while the adhesive is still wet.

## 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 not 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 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:



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## SAFETY DATA SHEET STYCCOBOND F40

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME STYCCOBOND F40  
INTERNAL ID SBF40/5  
APPLICATION Flooring Adhesive  
SUPPLIER F.Ball and Co.Ltd.,  
Churnetside Business Park,  
Station Road.,  
Cheddleton,  
Staffordshire ST13 7RS  
For technical and non-emergency call:  
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For advice on medical emergencies,  
fires, spillages or chemical hazards  
phone: +44(0) 870 190 6777  
Fax: 01538 361622  
E-Mail: mail@f-ball.co.uk

### 2 COMPOSITION/INFORMATION ON INGREDIENTS

#### COMPOSITION COMMENTS

Synthetic polymer emulsion together with small percentages of thickener, stabiliser and preservative The product does not contain any hazardous ingredients in a concentration that requires declaration in this section.

### 3 HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

### 4 FIRST-AID MEASURES

#### INHALATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

#### INGESTION

Rinse mouth thoroughly. Drink plenty of water. Do not induce vomiting. Get medical attention if any discomfort continues.

#### SKIN CONTACT

Wash skin thoroughly with soap and water. Remove contaminated clothing. Get medical attention if irritation persists after washing.

#### EYE CONTACT

Immediately rinse with water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

### 6 ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

Use protective gloves, goggles and suitable protective clothing.

#### ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground.

#### SPILL CLEAN UP METHODS

Small Spillages Absorb with sand or other inert absorbent. Large Spillages Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Wear necessary protective equipment.

### 7 HANDLING AND STORAGE

**STYCCOBOND F40****USAGE PRECAUTIONS**

Provide good ventilation. Do not use in confined spaces without adequate ventilation and/or respirator. Avoid contact with skin and eyes. Observe good industrial hygiene practices. Do not eat, drink or smoke when using the product.

**STORAGE PRECAUTIONS**

Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store in closed original container at temperatures between 5°C and 30°C. Protect from freezing and direct sunlight.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION****ENGINEERING MEASURES**

Provide adequate ventilation.

**HAND PROTECTION**

For prolonged or repeated skin contact use suitable protective gloves. Nitrile gloves to BSEN374 are recommended. Break through times can vary depending on thickness, use and source. Change gloves regularly.

**EYE PROTECTION**

If there is a risk of splashing, wear chemical resistant goggles or visor approved to BS EN166.

**HYGIENE MEASURES**

Good personal hygiene practices should be followed when working with chemicals.

**PERSONAL PROTECTION**

Always check applicability with your supplier of protective equipment.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Viscous Emulsion		
COLOUR	White		
ODOUR	Typical acrylic		
RELATIVE DENSITY	1.00 approx @20degC	VOLATILE BY VOL. (%)	40-44 w/w approx
pH-VALUE, CONC. SOLUTION	6.9-7.8 approx	VISCOSITY	7600-8400 cps 20 degC
FLASH POINT (°C)	N/A		

**10 STABILITY AND REACTIVITY****STABILITY**

Stable under normal temperature conditions and recommended use.

**CONDITIONS TO AVOID**

Avoid frost. Avoid exposure to high temperatures or direct sunlight.

**11 TOXICOLOGICAL INFORMATION****INHALATION**

May cause some discomfort in poorly ventilated areas.

**INGESTION**

May cause discomfort if swallowed.

**SKIN CONTACT**

Prolonged contact may cause redness and irritation. Skin irritation is not anticipated when used normally.

**EYE CONTACT**

May cause irritation, soreness and reddening of the eyes

**12 ECOLOGICAL INFORMATION****ECOTOXICITY**

There are no data on the ecotoxicity of this product.

**13 DISPOSAL CONSIDERATIONS****DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements. Small quantities may be absorbed in sand and allowed to dry, prior to disposal as low hazard waste. Larger quantities should be disposed of as controlled liquid waste via a licensed waste operator.

**WASTE CLASS**

Waste Code for Product : 080410

STYCCOBOND F40

14 TRANSPORT INFORMATION

GENERAL	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).		
	No transport warning sign required.		
ADR CLASS	Not classified for transportation.	MARINE POLLUTANT	No.

15 REGULATORY INFORMATION

RISK PHRASES	NC	Not classified.
SAFETY PHRASES	NC	Not classified.

16 OTHER INFORMATION

GENERAL INFORMATION			
F.Ball and Company Ltd Technical Datasheet.			
REVISION COMMENTS			
Section 1: Addition of emergency telephone number.		Section 8 : Improved PPE information.	Section 13: Addition of waste codes.
REVISION DATE	19/06/06		
REV. NO./REPL. SDS GENERATED	5		
RISK PHRASES IN FULL			