



# STYCCOBOND F45

## Vinyl Floor and Wallcovering Adhesive

### PRODUCT DATA

#### INTRODUCTION

**STYCCOBOND F45** is a non-staining co-polymer emulsion adhesive having particularly good resistance to PVC plasticisers that will also withstand normal wet cleaning techniques. It is protected against bio-degradation and is suitable for use over normal underfloor heating installations.

STYCCOBOND F45 can be used for securing a wide range of highly plasticised vinyl floor and wallcoverings and PVC backed carpets.

STYCCOBOND F45 can also be used in conjunction with STYCCOBOND F2 Release Adhesive to provide a RELEASE BOND system.

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

STYCCOBOND F45 can be applied to STOPGAP smoothing underlayments, structurally sound, smooth, dry subfloors of concrete and sand/cement screed and flooring grade plywood.

STOPGAP Waterproof Surface Membranes, sound flooring grade asphalt and other non-absorbent surfaces must be skimmed with a minimum of 3mm of the appropriate STOPGAP smoothing underlayment.

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



#### FEATURES

- Excellent resistance to plasticisers migration
- Non-staining

#### 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

- 15 litre bucket
- 5 litre bucket

#### TECHNICAL INFORMATION

Colour	White
Consistency	Creamy
Coverage Rate (Approx.)	3m <sup>2</sup> per litre with a 2mm x 6mm trowel or 5m <sup>2</sup> per litre with a 1.5mm x 5mm trowel
Open Time	Up to 30 minutes depending on temperature, humidity and absorbency of the subfloor

#### HOW MUCH MATERIAL?

PACK SIZE	TROWEL SIZE	COVERAGE PER UNIT
15 litres	2mm x 6mm	45m <sup>2</sup>
15 litres	1.5mm x 5mm	75m <sup>2</sup>
5 litres	2mm x 6mm	15m <sup>2</sup>
5 litres	1.5mm x 5mm	25m <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 CI40 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

Holding the trowel at an angle of 60°, spread the adhesive evenly over an area of subfloor that can be covered whilst the adhesive remains receptive and gives good transfer.

Allow the adhesive to dry to a paste like consistency then place the floor or wallcovering whilst the adhesive will transfer and the trowel marks flatten when rolled.

Roll floorcoverings from end-to-end and side-to-side using a 68kg roller. 1 to 4 hours later, roll again in two directions.

Press wallcoverings firmly over the whole surface and then smooth outwards from the centre using a spatula or brush, ensuring that all the air is removed and good, overall contact is achieved.

## PRECAUTIONS

Curled floorcoverings may need weighting to maintain contact with the adhesive until it has dried.

Do not weld vinyls until the adhesive has had sufficient time to develop a good bond, normally 24 hours.

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

## TOOLS

STYCCOBOND 2mm x 6mm 'V' notched trowel when securing floorcoverings.  
STYCCOBOND 1.5mm x 5mm 'V' notched trowel when securing wallcoverings.

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. A Material Safety Data Sheet is available for professional users on request. 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 F45

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

PRODUCT NAME                    STYCCOBOND F45  
INTERNAL ID                        SBF45/8  
APPLICATION                        Flooring Adhesive  
SUPPLIER                            F.Ball and Co.Ltd.,  
    Churnetside Business Park,  
    Station Road.,  
    Cheddleton,  
    Staffordshire ST13 7RS  
    For technical and non-emergency call:  
    phone: 01538 361633.  
    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 HAZARDS IDENTIFICATION

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

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
2-PHENOXYETHANOL	204-589-7	122-99-6	1-5%	Xn;R22 Xi;R36

The Full Text for all R-Phrases are Displayed in Section 16

#### COMPOSITION COMMENTS

A blend of synthetic polymer emulsion, resin and inert fillers containing small percentages of stabilisers and thickening agent

### 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.

## STYCCOBOND F45

### 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

### 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 liquid		
COLOUR	White / off-white		
ODOUR	Slight odour		
SOLUBILITY	Miscible with water.		
RELATIVE DENSITY	1.18 - 1.24 approx @ 20 degC	VOLATILE BY VOL. (%)	27-28 w/w approx.
pH-VALUE, CONC. SOLUTION	6-7 approx	VISCOSITY	450-700 Ps @ 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.

**STYCCOBOND F45****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

**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.

UN NO. ROAD 0

**15 REGULATORY INFORMATION**

RISK PHRASES NC Not classified.

SAFETY PHRASES P13 Safety data sheet available for professional user on request.

**16 OTHER INFORMATION**

## GENERAL INFORMATION

F.Ball and Company Ltd Technical Datasheet.

## REVISION COMMENTS

Section 2: update. Section 15 Update.

REVISION DATE 11/06/07

REV. NO./REPL. SDS GENERATED 8

## RISK PHRASES IN FULL

R22 Harmful if swallowed.  
R36 Irritating to eyes.