



# STYCCOBOND F44

## Acrylic Adhesive

### PRODUCT DATA

#### INTRODUCTION

**STYCCOBOND F44** is a solvent free acrylic emulsion adhesive, which is designed to give a high bond strength, strong initial tack and a long open time. It is protected against bio-degradation and is suitable for use over normal underfloor heating installations.

STYCCOBOND F44 can be used for securing vinyl sheet and tile floorcoverings to EN654, EN649 and EN651; rubber floorcoverings and some textile floorcoverings with PVC and polyurethane foam backings.

STYCCOBOND F44 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 F44 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 F44 can be applied to STOPGAP smoothing underlayments, structurally sound, smooth, dry subfloors of concrete and sand/cement screed, plywood, flooring grade chipboard and hardboard.

STOPGAP Waterproof Surface Membranes and sound flooring grade asphalt 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

- Provides a permanent or release bond
- Solvent Free
- High bond strength
- 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

15 litre bucket  
5 litre bucket  
2.5 litre bucket  
1 litre pot

#### TECHNICAL INFORMATION

Colour	Cream / Yellow
Consistency	Viscous Liquid
Coverage Rate (Approx.)	4m <sup>2</sup> per litre using a 1.5mm x 5mm trowel
Open Time	Up to 60 minutes depending on temperature, humidity and absorbency of the subfloor

#### HOW MUCH MATERIAL?

PACK SIZE	TROWEL SIZE	COVERAGE PER UNIT
15 litres	1.5mm x 5mm	60m <sup>2</sup>
5 litres	1.5mm x 5mm	20m <sup>2</sup>
2.5 litres	1.5mm x 5mm	10m <sup>2</sup>
1 litre	1.5mm x 5mm	4m <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 PI31 diluted 4 parts of water stirred until thoroughly dispersed. This should be applied and 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 PI21.

## 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.

**On absorbent surfaces** - lay the floorcovering immediately, when installing tiles, leave the adhesive for approximately 10 minutes before placing the flooring, to reduce the potential for sliding.

**Non-absorbent surfaces** - Apply the adhesive and allow to partially dry to a firm tack before laying the floorcovering. When installing impervious sheet floorcoverings, the Double drop technique can be used to reduce the time taken waiting for the adhesive to dry. Lay the floorcovering into the wet adhesive, press all over to achieve transfer, then pull it back exposing the adhesive. Leave until the adhesive has dried to a firm tack before replacing the flooring accurately in position.

**Roller application** – On both absorbent and non-absorbent subfloors, to minimise the effect of adhesive shadowing through vinyl floorcoverings, apply the adhesive then immediately roll with a paint roller, which has been pre-wetted with the adhesive, to obtain a smooth, uniform appearance. Place the floorcovering when the adhesive has dried to a firm tack and is still receptive to the floorcovering.

**DO NOT use the roller to extend the stated coverage as this will reduce adhesion.**

Following the floorcovering manufacturers laying instructions lay the floorcovering into the adhesive and press from the centre outwards to exclude air and ensure overall contact with the adhesive. Roll with the 68kg flooring roller, from end-to-end and side-to-side (on foam backed floorcoverings use the STYCCOBOND GLYDA) to ensure overall contact. 30 minutes later and when the floor has been completely covered roll or use the STYCCOBOND GLYDA as necessary to ensure overall contact is maintained.

## PRECAUTIONS

Do not apply loads or move furniture on the floorcovering until the adhesive has fully set. Do not weld vinyl floorcoverings until the adhesive has had sufficient time to develop a good bond, normally 24 hours.

## TOOLS

STYCCOBOND 1.5mm x 5mm 'V' notched trowel, F. Ball 68kg flooring roller, STYCCOBOND GLYDA for foam backed carpets and Trimming knife.

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 F44

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

PRODUCT NAME STYCCOBOND F44

INTERNAL ID SBF44/8

APPLICATION Flooring Adhesive

SUPPLIER F.Ball and Co.Ltd.,  
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For advice on medical emergencies,  
fires, spillages or chemical hazards  
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### 2 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

### 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.

## STYCCOBOND F44

### 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 Emulsion		
COLOUR	Cream		
ODOUR	Typical acrylic		
RELATIVE DENSITY	1.18-1.23 @ 20 degC	VOLATILE BY VOL. (%)	30 w/w approx
pH-VALUE, CONC. SOLUTION	7-8 approx	VISCOSITY	450-650 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.

## 13 DISPOSAL CONSIDERATIONS

STYCCOBOND F44

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.		
ADR CLASS	Not classified for transportation.	MARINE POLLUTANT	No.

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 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 8

RISK PHRASES IN FULL

R22	Harmful if swallowed.
R36	Irritating to eyes.