



STYCCOBOND F46

Pressure Sensitive Acrylic Adhesive

PRODUCT DATA

INTRODUCTION

STYCCOBOND F46 is a solvent free acrylic polymer emulsion adhesive that dries to a permanent tacky film. It is used to reduce the incidence of trowel serrations shadowing through thin vinyl flooring and is designed to give strong initial tack and a high bond strength. It is protected against biodegradation and is suitable for use over normal underfloor heating installations.

STYCCOBOND F46 can be used for securing a wide range of sheet and tile floorcoverings.

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



STYCCOBOND F46 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 F46 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 F46 can be applied directly to STOPGAP Waterproof Surface Membranes and other non-absorbent subfloors where the surface finish is smooth enough to permit the installation of resilient floorcoverings.

For details on other subfloors contact our Technical Services Department.



FEATURES

- True Pressure Sensitive Properties – ideal for design floorcoverings
- Excellent Tack
- High Bond Strength
- Excellent Plasticiser Resistance
- 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) 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	75m ²
15 litres	Fine Notch or A1	60m ²
15 litres	1.5mm x 3mm or A2	45m ²
5 litres	1.5mm x 5mm	25m ²
5 litres	Fine Notch or A1	20m ²
5 litres	1.5mm x 3mm or A2	15m ²

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

TECHNICAL INFORMATION

Colour	White
Consistency	Viscous Liquid
Coverage Rate (Approx.)	3m ² per litre with a 1.5mm x 3mm (A2) 4m ² per litre with a STYCCOBOND FINE NOTCH (A1) 5m ² per litre with 1.5mm x 5mm trowel
Drying Time (Approx.)	40 minutes depending on temperature, humidity 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 high absorption of the adhesive. Use STOPGAP P131 diluted 4 parts of water and stir 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 P121.

ADHESIVE APPLICATION

Holding the trowel at an angle of 60°, spread the adhesive evenly over the subfloor. Following the floorcovering manufacturers laying instructions and using the guidelines given below, place the floorcovering into the adhesive and press from the centre outwards to exclude any air; then roll from end to end and side to side using the 68kg flooring roller. 1 to 4 hours later roll again in two directions.

Absorbent surfaces

Apply the adhesive using a STYCCOBOND 1.5mm x 3mm (A2) or 1.5mm x 5mm 'V' notched trowel then immediately roll with a paint roller, which has been pre-wetted with adhesive, to obtain a smooth, uniform appearance, to minimise adhesive grin through. Alternatively use the STYCCOBOND FINE NOTCH trowel. Floorcoverings can be placed into the adhesive immediately although it is advisable, when installing tiles, to leave the adhesive for approximately 10 minutes before placing the flooring, reducing the potential for sliding.

Non-absorbent surfaces

Apply the adhesive as previously described but allow the adhesive to dry to a firm tack before laying the floorcovering.

When installing vinyl tiles, apply the adhesive with a STYCCOBOND 1.5mm x 3mm (A2) or 1.5mm x 5mm 'V' notched trowel, then roll with a paint roller pre-wetted with the adhesive. Roll tiles immediately after placement into the dry adhesive film using a 68kg flooring roller. Alternatively a STYCCOBOND FINE NOTCH (A1) trowel may be used if preferred.

Do not use the paint roller to extend the area covered by the adhesive, as this will reduce adhesion.

Note: When trowelling the adhesive directly onto cured STOPGAP Waterproof Surface Membranes, ensure that the membrane is not damaged or punctured by the trowel.

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

1.5mm x 3mm (A2), STYCCOBOND FINE NOTCH (A1), or 1.5mm x 5mm 'V' notched trowel, F. Ball 68kg flooring roller, Trimming knife, STYCCOBOND paint roller.

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 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 F46

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

PRODUCT NAME STYCCOBOND F46
INTERNAL ID SBF46/7
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
POLY (OXO-1,2 -ETHANEDIYL), ALPHA-SULFO-OMEGA-(NONYLPHENOXY) SODIUM SALT		9014-90-8	1-5%	Xi;R41.

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

COMPOSITION COMMENTS

Synthetic polymer emulsion together with small percentages of thickener, stabiliser and preservative

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 F46**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	White		
ODOUR	Typical acrylic		
RELATIVE DENSITY	1.00 approx @ 20 degC	VOLATILE BY VOL. (%)	40 w/w approx
pH-VALUE, CONC. SOLUTION	5-7 approx	VISCOSITY	400-500 approx Ps 20
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 F46

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	NC	Not classified.

16 OTHER INFORMATION

GENERAL INFORMATION	
F.Ball and Company Ltd Technical Datasheet.	
REVISION COMMENTS	
Section 2 and Section 3 order reversed.	
REVISION DATE	25/06/09
REV. NO./REPL. SDS GENERATED 7	
RISK PHRASES IN FULL	
R41	Risk of serious damage to eyes.