

STYCCOBOND F74

POLYURETHANE FLOORING ADHESIVE

CI/SfB 1976 reference by SfB Agency

(43) Yt3

PRODUCT DATA SHEET
PUBLISHED SEPTEMBER 2004

SITE CONDITIONS VARY, TO ENSURE THIS ADHESIVE IS SUITABLE AND CONFIRM THIS DATA SHEET IS CURRENT, PLEASE CALL OUR TECHNICAL SERVICES DEPARTMENT.

DESCRIPTION - A single pack, moisture curing polyurethane adhesive suitable both for fixing floorcoverings and for seaming synthetic grass carpets. It is water resistant and is suitable for use outdoors although it is not intended to be a damp proof membrane. It is resistant to oil and grease and is suitable for use over normal underfloor heating systems.

FOR SECURING - Needle punched/fibre bonded carpets; synthetic grass carpets; PVC, latex, polyurethane and rubber backed carpets; vinyl and rubber floorings. See the **STYCCOBOND Recommended Adhesives Guide** for details of specific floorcoverings.

ONTO - Sound, smooth, subfloors of concrete; granolithic; sand/cement screeds; STOPGAP GREENBAG & 55 smoothing underlayment.

Asphalt and Tarmacadam must be skimmed with a minimum of 3mm of the appropriate smoothing underlayment.

STANDARDS - The installation of floorcoverings in interior situations is covered by BS.5325 for textile floorcoverings and BS.8203 for sheet and tile flooring. STYCCOBOND F74 allows the installation of some textile floorcoverings in conditions which do not fully meet the requirements of these standards, e.g. in respect of subfloor dryness, but in other respects these standards should be followed.

TECHNICAL CHARACTERISTICS

COLOUR	- Biege
CONSISTENCY	- Thick Paste
SPECIFIC GRAVITY	- 1.33 Typical
COVERAGE	- 2mm x 6mm - 9.5m ² per pack 1.5mm x 5mm - 16m ² per pack
OPEN TIME	- 20 - 25 minutes, depending on temperature and humidity
CURE TIME	- Initial set 4 - 6 hours, full cure 48 - 72 hours
STORAGE	- Store at temperatures between 5°C and 30°C
SHELF LIFE	- 6 months in unopened containers stored under good conditions.
PACKAGES	- 6.8kg once opened the whole pack must be used or discarded

PREPARATION - Surfaces must be sound, smooth, clean and free from any contaminants which will affect adhesion.

Concrete must be fully cured with laitence removed.

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

Underfloor heating must be off for 48 hours before and after application. The subfloor and ambient temperatures must be above 10°C.

When laying impervious floorings on non absorbent subfloors, e.g. vinyl floorings onto terrazzo, the subfloor must be skimmed with a minimum of 3mm of STOPGAP GREEN BAG & 55 Acrylic smoothing underlayment to assist curing.

For further information request our **Floor Preparation Guide** booklet.

SMOOTHING - Use STOPGAP GREEN BAG & 55 Acrylic smoothing underlayment.

CLEANING - Use STYCCOCLEAN C140 Floor Cleaner for removing grease, oil, polish, soap, etc. from the subfloor

TOOLS - STYCCOBOND 2mm x 6mm 'V' notched trowel, STYCCOBOND 1.5mm x 5mm 'V' notched trowel for smooth backed resilient floorcoverings, F. Ball 68 kg flooring roller. Clean tools with STYCCOCLEAN C141 before the adhesive has cured.

TECHNIQUES - Store the adhesive in warm conditions before use to assist spreading.

Fixing floorcoverings - floorcoverings must be laid to flatten for 24 hours before securing and should be cut to fit before spreading the adhesive.

Holding the trowel at an angle of 60°, spread the adhesive evenly over an area of subfloor that can be covered within the open time of the adhesive.

Lay the floorcovering immediately and roll to ensure overall adhesion. **Apply weights as necessary to ensure contact until the adhesive has set.**

With deeply profiled or rough backed floorings, it may be necessary to apply extra adhesive to ensure good contact. In such cases use a STYCCOBOND 3mm x 6mm 'V' notched trowel. This will reduce the coverage quoted.

Seaming synthetic grass carpets - holding the trowel at an angle of 60°, apply the adhesive to the seam backing material and immediately place the carpet in position. Press firmly into place and apply weights to ensure contact until the adhesive has set.

PRECAUTIONS - Do not weld vinyls until the adhesive has fully cured.

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



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HEALTH AND SAFETY ADVICE

This product is 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 overleaf.

The technical information supplied in this data sheet, by letter or verbally, is based on results we have achieved, but we do not claim to have tested this product on every make of the above mentioned materials, most manufacturers of coverings make their own recommendations, these should be observed.

Materials and site conditions vary and application is beyond our control, users should therefore, ensure by prior testing that the product is suitable for their requirements. No liability is accepted for loss or damage arising from incorrect use of the Company's products.





SAFETY DATA SHEET STYCCOBOND F74

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

PRODUCT NAME STYCCOBOND F74
INTERNAL ID SBF74/8
APPLICATION Flooring Adhesive
SUPPLIER F.Ball and Co.Ltd.,
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2 HAZARDS IDENTIFICATION

Harmful by inhalation.

Irritating to eyes, respiratory system and skin.

May cause sensitisation by inhalation and skin contact.

CLASSIFICATION Xn;R20. R42/43. Xi;R36/37/38.

ENVIRONMENT

In the presence of water the product hardens to a solid mass which is not biodegradable.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
DIPHENYLMETHANE-4,4'-DI-ISOCYANATE	202-966-0	101-68-8	35-50%	Xn;R20 R42/43 Xi;R36/37/38

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

COMPOSITION COMMENTS

Blend of isocyanate, moisture scavanger with inert filler and additives

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Get medical attention.

INGESTION

Rinse mouth thoroughly. Drink plenty of water. Do not induce vomiting. Get medical attention.

SKIN CONTACT

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

EYE CONTACT

Immediately rinse with water. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguish with foam, carbon dioxide or dry powder.

SPECIFIC HAZARDS

By fire, toxic gases may be formed (COx, NOx). Hydrogen cyanide (HCN).

STYCCOBOND F74**PROTECTIVE MEASURES IN FIRE**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS**

Use protective gloves, goggles and suitable protective clothing. Avoid contact with skin and eyes. In case of inadequate ventilation, use respiratory protection.

ENVIRONMENTAL PRECAUTIONS

Avoid discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

Dam and absorb spillage with damp sand, sawdust or other suitable absorbent material Transfer to a container for disposal. Do not close container tightly. Risk of excess pressure build-up. Keep damp in a safe well ventilated area for several days

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Avoid contact with skin and eyes. Avoid inhalation of vapours. Provide good ventilation.

STORAGE PRECAUTIONS

Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store in tightly closed original container in a dry, cool and well-ventilated place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
DIPHENYLMETHANE-4,4'-DI-ISOCYANATE	WEL		0.02 mg/m3(Sen)		0.07 mg/m3(Sen)	

WEL = Workplace Exposure Limit.

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of vapours.

RESPIRATORY EQUIPMENT

In the case of hypersensitivity of the respiratory tract (eg asthmatics and those who suffer from chronic bronchitis) it is inadvisable to work with this product. In case of inadequate ventilation use a respirator suitable for organic vapours. Consult respirator manufacturer for specific advice.

HAND PROTECTION

Protective gloves should be used if there is a risk of direct contact or splash. 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.

OTHER PROTECTION

Wear suitable protective clothing as protection against splashing or contamination.

HYGIENE MEASURES

When using do not eat, drink or smoke. Remove contaminated clothing and wash the skin thoroughly with soap and water after work.

PERSONAL PROTECTION

Always check applicability with your supplier of protective equipment.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Viscous liquid		
COLOUR	Beige.		
ODOUR	Musty		
RELATIVE DENSITY	1.41-1.48 @ 20degC	VOLATILE BY VOL. (%)	N/A
pH-VALUE, CONC. SOLUTION	N/A	VISCOSITY	660 approx Ps @ 20 degC
FLASH POINT (°C)	N/A		

10 STABILITY AND REACTIVITY**STABILITY**

Stable under the prescribed storage conditions.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

STYCCOBOND F74**MATERIALS TO AVOID**

Amines. Alcohols, glycols. Reacts with water forming carbon dioxide. Risk of bursting owing to increased pressure in closed containers.

HAZARDOUS DECOMPOSITION PRODUCTS

During fire, toxic gases (CO, CO₂, NO_x) are formed.

11 TOXICOLOGICAL INFORMATION**GENERAL INFORMATION**

Preparation contains small volumes of isocyanate which may cause allergic reaction and irritation of respiratory system.

INHALATION

Vapours irritate the respiratory system, and may cause coughing and difficulties in breathing. May cause sensitisation by inhalation.

INGESTION

May cause discomfort if swallowed.

SKIN CONTACT

May cause sensitisation by skin contact.

EYE CONTACT

Irritation of eyes and mucous membranes.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

The product should not be allowed to enter drains, sewers or watercourses.

DEGRADABILITY

The product reacts with water to form a solid insoluble reaction product which is non-degradable, according to information available.

13 DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

Should be disposed of as hazardous waste via a licensed waste operator.

WASTE CLASS

Hazardous Waste Code for Product : 080501* ; Contaminated empty container: 150110*

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**LABELLING**

Harmful

CONTAINS

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

RISK PHRASES

R20	Harmful by inhalation.
R36/37/38	Irritating to eyes, respiratory system and skin.
R42/43	May cause sensitisation by inhalation and skin contact.

SAFETY PHRASES

S23B	Do not breathe vapour.
S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.

STYCCOBOND F74

S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S60	This material and its container must be disposed of as hazardous waste.
P4	Contains isocyanates. See information supplied by the manufacturer.

16 OTHER INFORMATION

GENERAL INFORMATION

F.Ball and Company Ltd Technical Datasheet.

INFORMATION SOURCES

Health and Safety Executive Guidance Note EH40 (amended annually). Workplace Exposure Limits.

REVISION COMMENTS

Section 9: update.

REVISION DATE 07/05/09

REV. NO./REPL. SDS GENERATED 8

RISK PHRASES IN FULL

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