



STYCCOBOND F52

Polymer Reinforced Gum Spirit Adhesive

PRODUCT DATA

INTRODUCTION

STYCCOBOND F52 is a polymer reinforced gum spirit adhesive, designed to provide a rigid setting bond for the installation of carpet, linoleum and cork. It is protected against bio-degradation and is suitable for use over normal underfloor heating installations.

STYCCOBOND F52 can be used for securing a wide range of fibre bonded/needlepunched carpets, unitary and hessian backed carpets, linoleum and cork.

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

STYCCOBOND F52 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, 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

- Suitable for a wide range of fibre bonded carpets
- Water free

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 metal pail

TECHNICAL INFORMATION

Colour	Grey / Brown
Consistency	Paste
Flashpoint	6°C
Coverage Rate (Approx.)	3m ² per litre with a 2mm x 6mm 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 ²

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

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.

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.

PRECAUTIONS

Highly flammable. Observe the Health and Safety information provided. Empty containers are a potential fire hazard and must be disposed of carefully, in accordance with current regulations for waste materials.

TOOLS

STYCCOBOND 2mm x 6mm 'V' notched trowel, F. Ball 68kg flooring roller, Trimming knife. Soft broom.

Tools should be cleaned with methylated spirit immediately after use.

STORAGE

Store between 5°C and 30°C in accordance with current regulations for highly flammable liquids.

Protect from frost.

SHELF LIFE

12 months in unopened containers stored under good conditions.

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 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 F52

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME STYCCOBOND F52

INTERNAL ID SBF52/8

APPLICATION Flooring Adhesive

SUPPLIER F.Ball and Co.Ltd.,
Churnetside Business Park,
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Cheddleton,
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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 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
ACETONE	200-662-2	67-64-1	1-5%	F;R11 Xi;R36 R66 R67
ETHANOL	200-578-6	64-17-5	10-30%	F;R11
METHANOL	200-659-6	67-56-1	0.5-1%	F;R11 T;R23/24/25,R39/23/24/25
NAPHTHA (PETROLEUM), HYDROTREATED LIGHT; LOW BOILING POINT HYDROGEN	265-151-9	64742-49-0	0.5-1%	Xn;R65. F;R11. N;R51/53.

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

COMPOSITION COMMENTS

Solution of resins and elastomers in a blend of organic solvents containing inert inorganic materials.

3 HAZARDS IDENTIFICATION

Highly flammable.

CLASSIFICATION F;R11.

ENVIRONMENT

Solvent contamination of drains, surface waters and land. VOC emissions to air. Potential fire and explosion hazard.

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 immediately.

SKIN CONTACT

Wash skin thoroughly 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. Do not use water jet as an extinguisher, as this will spread the fire.

STYCCOBOND F52**SPECIAL FIRE FIGHTING PROCEDURES**

Water spray should be used to cool containers.

UNUSUAL FIRE & EXPLOSION HAZARDS

HIGHLY FLAMMABLE

SPECIFIC HAZARDS

In case of fire toxic gases/vapours may be formed.

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**

Evacuate non-essential personnel from the spill area. Do not smoke, use naked flames or other sources of ignition. Take precautionary measures against static discharge and arcing from electrical equipment. Avoid inhalation of vapours and contact with skin and eyes. Use protective gloves, goggles and suitable protective clothing. Provide adequate ventilation. In case of inadequate ventilation, use respiratory protection.

ENVIRONMENTAL PRECAUTIONS

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

SPILL CLEAN UP METHODS

Dam and absorb spillage with sand, sawdust or other absorbent. Collect spillage in containers, seal securely and deliver for disposal as hazardous waste.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Observe workplace exposure limits and minimise the risk of inhalation of vapours and mist. Risk of vapour concentration on the floor and in low-lying areas. Do not use in confined spaces without adequate ventilation and/or respirator. Eliminate all sources of ignition. Static electricity and formation of sparks must be prevented. Avoid contact with skin and eyes. Do not eat, drink or smoke when using the product. Observe good industrial hygiene practices.

STORAGE PRECAUTIONS

Stored in tightly closed original container in a cool, dry well ventilated place at a temperature between 5 deg C and 30 deg C. Protect against physical damage and/or friction. Keep away from heat, static or electrical sparks, open flame and direct sunlight. Avoid contact with oxidising agents. Keep separate from food, feedstuffs, fertilisers and other sensitive material.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
METHANOL	WEL	200 ppm(Sk)	266 mg/m3(Sk)	250 ppm(Sk)	333 mg/m3(Sk)
ETHANOL	WEL	1000 ppm	1920 mg/m3		
ACETONE	WEL	500 ppm	1210 mg/m3	1500 ppm	3620 mg/m3

ENGINEERING MEASURES

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

RESPIRATORY EQUIPMENT

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.

PERSONAL PROTECTION

Always check applicability with your supplier of protective equipment.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Viscous liquid
COLOUR	Buff
ODOUR	Organic solvents.

STYCCOBOND F52

RELATIVE DENSITY	1.5 approx @ 20 degC	VOLATILE BY VOL. (%)	21 w/w approx
pH-VALUE, CONC. SOLUTION	N/A	VISCOSITY	1200-2200 Ps 20
FLASH POINT (°C)	+2 approx		

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid contact with: Oxidising materials.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11 TOXICOLOGICAL INFORMATION**INHALATION**

In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea.

INGESTION

Irritating. May cause nausea, stomach pain and vomiting.

SKIN CONTACT

Product has a defatting effect on skin. Repeated exposure may cause skin dryness or cracking.

EYE CONTACT

Irritating and may cause redness and pain. Risk of corneal damage.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

The solvent content may pose a potential ecological hazard.

DEGRADABILITY

The dried product is not readily biodegradeable but is inert and not likely to pose an ecological hazard.

13 DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

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

WASTE CLASS

Hazardous Waste Codes: Product: 080409* ; Contaminated empty container 150110*

14 TRANSPORT INFORMATION

UK ROAD CLASS	3		
PROPER SHIPPING NAME	ADHESIVES		
UN NO. ROAD	1133	UK ROAD PACK GR.	III
ADR CLASS NO.	3	ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	III	HAZARD No. (ADR)	30
ADR LABEL NO.	3	HAZCHEM CODE	3Y
CEFIC TEC(R) NO.	30GF1-III, 30GF1-sp	RID CLASS NO.	3
RID PACK GROUP	III	UN NO. SEA	1133
IMDG CLASS	3	IMDG PAGE NO.	3
IMDG PACK GR.	III	EMS	F-E, S-D
MFAG	See Guide	MARINE POLLUTANT	No.
UN NO. AIR	1133	AIR CLASS	3

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AIR PACK GR.

III

15 REGULATORY INFORMATION

LABELLING



Highly Flammable

RISK PHRASES

R11 Highly flammable.

SAFETY PHRASES

S7/9 Keep container tightly closed and in a well-ventilated place.

S16 Keep away from sources of ignition - No smoking.

S24/25 Avoid contact with skin and eyes.

S33 Take precautionary measures against static discharges.

S51 Use only in well-ventilated areas.

S60 This material and its container must be disposed of as hazardous waste.

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 1: Addition of emergency telephone number. Section 8 : Improved PPE information. Section 13: Addition of waste codes.

Section 8: WEL update.

REVISION DATE 23/05/06

REV. NO./REPL. SDS GENERATED 8

RISK PHRASES IN FULL

R11 Highly flammable.

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R36 Irritating to eyes.

R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.