



STYCCO-GRIP F32

Mastic Adhesive

PRODUCT DATA

INTRODUCTION

STYCCO-GRIP F32 is a high strength, single component, gap filling mastic adhesive for use both internally and externally. The dry film will withstand temperatures up to 50°C, making it suitable for use over normal underfloor heating.

STYCCO-GRIP F32 has excellent slump resistance which makes it ideal for bonding most substrates without the use of temporary supports.

STYCCO-GRIP F32 can be used for securing a wide range of absorbent and non-absorbent materials such as wood, wood composite materials, concrete, concrete blocks, breeze blocks, brick, stone, plaster, plasterboard, board products and rigid insulation materials - excluding expanded polystyrene. It may also be used with most metals, PVC-u extrusions and laminated plastics.

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



FEATURES

- Gap filling properties for uneven substrates
- Single component, ready-to-use
- Suitable for absorbent and non-absorbent surfaces
- Ideal for vertical and overhead applications
- Excellent early and ultimate adhesive strengths
- Good "nip off" qualities – no messy stringing

STANDARDS

Conditions must comply with the relevant British Standard.

PACKAGES

350ml composite cartridge
12 cartridges per carton

TECHNICAL INFORMATION

Colour	Light Beige
Consistency	Thick Paste
Flashpoint	Below 0°C
Coverage Rates (Approx.)	17 linear metres of 5mm diameter bead per cartridge
Open Time (Approx.)	5 minutes depending on temperature, humidity and absorbency of substrate

HOW MUCH MATERIAL?

PACK SIZE	BEAD DIAMETER	COVERAGE PER UNIT
350ml	5mm	17 linear meters

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

SURFACE PREPARATION

Proper surface preparation is essential. Substrates must be 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. Where surface smoothing is required use STOPGAP smoothing underlayments. Metal surfaces must be abraded to remove scale and provide a key. The underside of metal nosings should be cleaned with STYCCOCLEAN SOLVENT.

For detailed information, request the F. Ball Subfloor Preparation Guide.

ADHESIVE APPLICATION

Insert the cartridge into the application gun, cut the nozzle at a 45° angle to the required diameter and break the seal at the bottom of the nozzle. For best results a 5mm bead should be run out and the surfaces brought together with a slip action to ensure that any skin of the applied bead is dispersed.

Nosings: Place the nosing in position on the step and mark a line on the step as a guide for application. Remove the nosing and apply a 5mm bead of adhesive along the angle edge, the full length of the step. Apply another bead of adhesive about 10mm inside the marked line and additional beads, according to the width of the nosing e.g. 50mm=3 strips, 75mm=4 strips etc.

Extrusions and grippers: Place the extrusion or gripper in position and mark the base along both edges as a guide to adhesive application. Remove the extrusion or gripper and apply a bead of adhesive approximately 10mm inside each guide line. Add further beads of adhesive about 10mm inside the marked line and additional beads, according to the width of the extrusion e.g. 50mm=3 strips, 75mm=4 strips etc.

Make the bond by one of the techniques described below.

TECHNIQUES

METHOD 1 - Place the nosing etc. in position as soon as possible after the adhesive has been applied and in any case within the open time. Apply maximum pressure along the full length and pin at both ends to prevent movement until the adhesive has set, about 24 - 48 hours on absorbent surfaces.

METHOD 2 - Place the nosing etc. in position within the adhesive's open time, press firmly into place and then remove it again. Leave the two adhesive coated surfaces open for 5 minutes, to allow the solvent to evaporate, then replace the nosing etc. and apply maximum pressure along the full length. Pin at both ends to prevent movement until the adhesive has set, about 24 hours. This method is particularly recommended for non-absorbent surfaces.

PRECAUTIONS

Prevent the use of stairs where nosings etc. have been fixed until the adhesive has fully set. We recommend that nosings are also mechanically fixed.

Do not stretch carpets onto grippers until the adhesive has fully set.

Where the bond is going to be subjected to any loading, before the adhesive has fully set, mechanical support must be used to prevent the adhesive from being disturbed. The bond line must be protected from driving rain and standing water. Do not use on damp surfaces.

Solvents within the product may attack sensitive plastics. If in doubt, a small area should be tested first for suitability.

Highly flammable, observe the Health and Safety information provided.

TOOLS

Applicator Gun.

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.

This data sheet is for guidance purposes only and may contain information that is inappropriate for certain conditions. Further information is available from 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 STYCCOGRIP F32

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

PRODUCT NAME STYCCOGRIP F32

INTERNAL ID SGF32/9

APPLICATION Cartridge Dispensed 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

Highly flammable.

Vapours may cause drowsiness and dizziness.

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

CLASSIFICATION F;R11. N;R51/53. R67.

ENVIRONMENT

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

PHYSICAL AND CHEMICAL HAZARDS

In use, may form flammable/explosive vapour-air mixture

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
BUTANONE	201-159-0	78-93-3	10-30%	F;R11 Xi;R36 R66 R67
CYCLOHEXANE	203-806-2	110-82-7	5-10%	F;R11 Xn;R65 Xi;R38 R67 N;R50/53
NAPHTHA (PETROLEUM) HYDROTREATED HEAVY		64742-48-9	5-10%	Xn;R65. Xi;R38. F;R11. N;R51/53. R67.
NAPHTHA (PETROLEUM) HYDROTREATED LIGHT			5-10%	Xn;R65. Xi;R38. F;R11. N;R51/53. R67.

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

COMPOSITION COMMENTS

A viscous solution of styrene butadiene copolymer and synthetic resins in organic solvent containing inert fillers and small percentages of 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 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.

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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.

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	TWA - 8 hrs		STEL - 15 min		Notes
BUTANONE	WEL	200 ppm(Sk)	600 mg/m3(Sk)	300 ppm(Sk)	899 mg/m3(Sk)	
CYCLOHEXANE	WEL	100 ppm	350 mg/m3	300 ppm	1050 mg/m3	

WEL = Workplace Exposure Limit.

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.

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9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Viscous Paste		
COLOUR	Beige.		
ODOUR	Organic solvents.		
SOLUBILITY	Insoluble in water Soluble in most organic solvents.		
BOILING POINT (°C)	Approx 64 DegC	RELATIVE DENSITY	1.2
EVAPORATION RATE	Fast	VOLATILE BY VOL. (%)	30%
pH-VALUE, CONC. SOLUTION	n/a	VISCOSITY	Highly viscous
FLASH POINT (°C)	-10degC		

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

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ADR LABEL NO.	3	HAZCHEM CODE	3YE
CEPIC TEC(R) NO.	30GF1-III, 30GF1-sp	RID CLASS NO.	3
RID PACK GROUP	III	UN NO. SEA	1133
IMDG CLASS	3	IMDG PACK GR.	III
EMS	F-E, S-D	MFAG	See Guide
MARINE POLLUTANT	No.	UN NO. AIR	1133
AIR CLASS	3	AIR PACK GR.	III

15 REGULATORY INFORMATION

LABELLING



Highly Flammable



Dangerous for the environment

RISK PHRASES

R11	Highly flammable.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

S7/9	Keep container tightly closed and in a well-ventilated place.
S16	Keep away from sources of ignition - No smoking.
S33	Take precautionary measures against static discharges.
S36/37	Wear suitable protective clothing and gloves.
S51	Use only in well-ventilated areas.
S60	This material and its container must be disposed of as hazardous waste.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

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

Changes to sections 2, 3, 8 and 15

REVISION DATE 20/01/09

REV. NO./REPL. SDS GENERATED 9

RISK PHRASES IN FULL

R11	Highly flammable.
R36	Irritating to eyes.
R38	Irritating to skin.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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.