

SF404

FIRE RETARDANT EPOXY ADHESIVE



KEY BENEFITS SUMMARY

- Accelerated cure
- Solvent free
- Highly resistant to surface water
- Used with low smoke emission, low toxic floor coverings to give a completely safe installation
- Standards: BS 476 Part 6, BS 476 Part 7 Class 1, BS 6853 appendix D.8.4. and D.8.6., NFP 95-501, NFX 10-702-1, NFX 70-100 and IMO A653(16)



PRODUCT INFORMATION

Description

SF404 is a two part epoxy based, self extinguishing adhesive of thixotropic consistency, formulated for ambient temperature curing.

Usage/Purpose

SF404 has been specifically developed for the bonding of all resilient (eg. rubber, vinyl and linoleum) and textile floor coverings in areas of high risk and where public safety is the main consideration, to:

- concrete substrates
- cementitious substrates
- metal substrates
- plywood substrates.

Colour

Part A - Resin: Buff

Part B - Hardener: Blue

Packaging

Supplied in 5 kg metal lever lid containers consisting of Part A - Resin packaged in a large container which should be used for mixing with Part B - Hardener.

Standards

All aspects of the installation must be in accordance with the requirements of BS 8204, BS 8203 (Installation of Resilient Floor Coverings) or BS 5325 (Installation of Textile Floor Coverings) and supplementary specifications.

Accreditations

- EC1

Preparation

Site conditions MUST comply with British Standards CP 102, BS 8203, BS 5325 and supplementary specifications.

- The surfaces must be sound, clean, dry and free from oil, grease, paint, dust and other contaminants liable to impair adhesion.
- Concrete and sand/cement screeds must be fully cured and free from laitance.

- Direct to earth subfloors must incorporate an efficient damp proof membrane.
- Underfloor heating must have been fully commissioned as per manufacturers instructions and must be switched off 48 hours before and during installation. The heating should be switched on 48 hours after completion but then only gradually as per the commissioning schedule. Consult the Technical Department for a full specification.

Priming

Ensure substrate is suitable for the adhesive before application. Contact tremco illbruck Customer Services for details.

Application

- SF404 is a two part adhesive which hardens by chemical reaction. It is essential that both parts are paste, uniform in colour, in the proportions supplied or in the ratio 1:1 by weight.
- The blue coloured Part B serves as an indicator. It is essential that the mixing instructions are strictly followed.
- Stir Part B thoroughly and transfer into Part A container. Using a slow speed drill, fitted with a two bladed propeller, mix the contents for two to three minutes to obtain uniformity of colour and consistency.
- Having mixed the adhesive, spread evenly using a 'V' notched trowel, size 1.5 mm x 5 mm for general floor coverings or smooth backed rubber and 2 mm x 6 mm for coned or peduncled backed rubber.
- All hollows in this type of backing must be completely filled ('buttering' may be necessary).
- Place the floor covering carefully into position and roll immediately with a 68 kg flooring roller in both directions unless otherwise stated by the manufacturer. Keep free of foot traffic until adhesive has set for a minimum of 4 hours.

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- Laying at low temperatures causes the adhesive to thicken, making it more difficult to spread, thus reducing coverage and extending the curing time.
- Epoxy adhesives are slow to cure and it is essential that the back of the floor covering remains in contact with the adhesive until cured. Some weighting down may be necessary.

Cleaning

Surplus adhesive should be removed and tools cleaned with AW421 Heavy Duty Cleaner (flammable).

Health & Safety Precautions

Safety data sheet must be read and understood before use.

Availability

Direct from tremco illbruck (see back of leaflet for address and telephone details) or via approved distributors.

Technical Service

tremco illbruck has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01942 251400.

Guarantee/Warranty

tremco illbruck products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with tremco illbruck written instructions and (b) in any application recommended by tremco illbruck, but which is proved to be defective, will be replaced free of charge.

No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct.

tremco illbruck Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.

TECHNICAL DATA

PROPERTY	RESULT
Composition	A two part solvent free epoxy based adhesive of thixotropic consistency
Open Time/Workability (at +20°C)	45 minutes
Initial Hardening Time (at 25°C)	4 hours
Specific Gravity	1.5 - 1.6
Flash Point	None
Mixing Ratio	01:01
Application Temperature Range	+4°C to +30°C
Service Temperature	-20°C to +85°C
Coverage	2 to 2.5 m ² /kg using serrated trowel 1.5 mm x 5 mm 1 m ² /kg on coned peduncled back floorings
Final Bond Strength	4 - 6 days
Storage	Store in dry conditions between +5°C and +25°C
Shelf Life	6 months when stored as recommended in original unopened containers



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