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SF404

Fire Retardant Epoxy Adhesive

KEY BENEFITS SUMMARY

- Accelerated cure
- Strong permanent bond
- Used with low smoke emission, low toxic floor coverings to give a completely safe installation
- Highly resistant to surface water
- Solvent free
- 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

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

Usage / Purpose

Tremco SF404 Fire Retardant Epoxy Adhesive 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.

Colours

Part 1 - Resin: Buff
Part 2 - Hardener: Blue

Packaging

Supplied in 5 kg metal lever lid containers consisting of Part 1 - Resin packaged in a large container which should be used for mixing with Part 2 - Hardener.

Availability

Direct from Tremco illbruck (see back of leaflet for address and telephone details) or via local and national distributors.

TECHNICAL INFORMATION

Composition

A two part solvent free epoxy based adhesive of thixotropic consistency.

Characteristics (Typical Values)

VISCOSITY (at +25°C - when mixed: 25 RVT, Spindle 6, Speed 10)
130 - 230 P

SPECIFIC GRAVITY (at +25°C)
1.5 - 1.6

FLASH POINT
None

Performance (Typical Values)
MIXING RATIO BY WEIGHT
1:1

WORKING LIFE (at +20°C, 5 kg unit)
45 minutes

INITIAL HARDENING TIME (at +25°C)
4 hours

FINAL BOND STRENGTH (at +25°C)
4 - 6 days

APPLICATION TEMPERATURE RANGE
+4°C to +30°C

SERVICE TEMPERATURE RANGE
-20°C to +85°C

USAGE GUIDELINES

Standards

All aspects of the installation must be in accordance with the requirements of BS8204, BS8203 (Installation of Resilient Floorcoverings) or BS5325 (Installation of Textile Floorcoverings) and supplementary specifications.

Surface Preparation

- The surface must be firm, sound, clean, dry and free of contaminants liable to impair adhesion.
- Metal substrates must also be pre-wiped with Tremco AW421 Heavy Duty Cleaner (flammable) and solvents allowed to evaporate.
- Site conditions must comply with British Standards CP 102, BS 8203, BS 5325 and supplementary specifications.

Method of Application

- Tremco SF404 Fire Retardant Epoxy Adhesive is a two part adhesive which hardens by chemical reaction. It is essential that both parts are mixed thoroughly to a smooth paste, uniform in colour, in the proportions supplied or in the ratio 1:1 by weight.
- The blue coloured Part 2 serves as an indicator. It is essential that the mixing instructions are strictly followed.
- Stir Part 2 thoroughly and transfer into Part 1 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.

SF404

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- All hollows in this type of backing must be completely filled ('buttering' may be necessary).
- Place the floorcovering 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.
- 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.

Coverage Rate

2 to 2.5 m²/kg using serrated trowel
1.5 mm x 5 mm. 1 m²/kg on coned or peduncled back floorings.

Cleaning

Clean tools, etc., and remove surplus adhesive using Tremco AW421 Heavy Duty Cleaner (flammable). Cured Tremco SF404 Fire Retardant Epoxy Adhesive is difficult to remove.

Health & Safety Precautions

Product Health and Safety Data Sheet must be read and understood before use.

Storage

- Store between +5°C and +25°C.
- Rotate stocks using oldest material first.

Shelf Life

6 months when stored as recommended in original unopened containers.

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.