

## SF600

### MULTI-PURPOSE POLYURETHANE ADHESIVE



#### KEY BENEFITS SUMMARY

- Strong permanent bond
- Good water resistance
- Solvent free
- Easy to apply
- A good general purpose adhesive

#### PRODUCT INFORMATION

##### Description

SF600 is a two part polyurethane adhesive formulated for ambient temperature cure.

##### Usage/Purpose

SF600 is designed for the permanent bonding of a wide range of floor coverings including:

- synthetic rubber
- PVC
- wood

##### Colour

Part A - Resin: Off white  
Part B - Hardener: Brown

##### Packaging

Supplied in two part 5 litre (7.18 kg) units. Consisting of Part A - Polyol 6 kg in a plastic pail and Part B - Hardener 1.18 kg in a screw neck tin.

##### 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.

##### 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.

##### Mixing

SF600 is a two part adhesive that hardens by chemical reaction. It is essential that both parts are mixed thoroughly to a smooth paste, uniform in colour.

- It is essential that the mixing instructions are strictly followed.
- Transfer Part B 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. Avoid mixing with high speed mixers due to excessive heat build-up.

##### Application

- Having mixed the adhesive, spread evenly using a 'V' notched trowel, size 1.5 mm x 5 mm for smooth backed rubber and 2 mm x 6 mm for coned or predrilled 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 the adhesive has set (12 to 72 hours).
- Laying at low temperatures causes the adhesive to thicken, making it more difficult to spread, thus reducing coverage and extending the curing time.
- Polyurethane adhesives are slow to cure. It is essential that the back of the floor covering remains in contact with the adhesive until cured. Some weighting down may be necessary.
- For rubber tiles or sheet with a thicknesses up to 3 mm, use SF108. Thicknesses greater than 3 mm, use SF600 or SF512.

### 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 polyurethane based adhesive
Open Time/Workability (at +20°C)	Up to 1 hour depending on site conditions
Initial Hardening Time (at 25°C)	24 hours depending on site conditions
Full Strength	Up to 7 days depending on site conditions
Specific Gravity	1.45 (mixed)
Flash Point	> 200°C
Mixing Ratio	5.1:1 by weight
Application Temperature Range	+4°C to +30°C
Service Temperature	-20°C to +85°C
Coverage	4 to 5 m <sup>2</sup> per litre using 1.5 mm x 5 mm serrated trowel (smooth flooring)
	6 to 8 m <sup>2</sup> per litre using European A5 serrated trowel (smooth flooring)
	Coverage when bonding solid wood flooring is typically 10 m <sup>2</sup> per pack
Storage	Store in dry conditions between +5°C and +25°C
Shelf Life	12 months from manufacturing date, when stored as recommended in original unopened containers



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