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# SF520

## Flexible Wood Adhesive

### KEY BENEFITS SUMMARY

- Strong and flexible
- Bonds most types of wood flooring
- Usable over most common substrates
- Compatible with most underfloor heating systems

### PRODUCT INFORMATION

#### Description

A high strength, flexible, single component advanced polymer adhesive for surface bonding most wood flooring.

#### Usage / Purpose

For bonding most types of wood flooring including wood blocks, wood mosaic panels, engineered, laminated and solid wood plank/strip flooring. Use over most common substrates, sand/cement screeds, concrete, calcium sulphate screeds, stone, metal, timber and epoxy membranes. Not suitable for wood flooring with bitumen based backings. For other surfaces please consult Technical Services for suitability. Compatible with most underfloor heating systems. Consult Technical Services for confirmation.

#### Packaging

Available in 10 litre plastic buckets (containing 17 kg of material) or 5 kg foil pouches packed in boxes of 3 x 5 kg. For 600 ml foil sausages see Tremco SF550 Gun Grade Flexible Wood Adhesive.

#### Availability

Direct from Tremco illbruck (see back of leaflet for address and telephone details).

#### TECHNICAL INFORMATION

##### Composition

Tremco SF520 Flexible Wood Adhesive is formulated from advanced polymer technology.

##### Characteristics (Typical Values)

###### OPEN TIME

Approximately 20 minutes

#### USAGE GUIDELINES

##### Preparation

All phases of installation should comply with BS 8201, BS 8203, CP 102 and / or other local installation standards and codes of practice.

##### SUBFLOOR

- Ensure the subfloor is flat, clean, sound and dry and free from contaminants that may hinder adhesion, this includes, paint, varnish, polish, old adhesive residues and plaster spots.
- Existing wooden subfloors must have an intact base DPM.
- The subfloor should be tested in accordance with British Standards, using a properly calibrated and insulated hygrometer.
- A reading of 75% RH or less confirms that the subfloor is satisfactorily dry. Where this has not been attained, it is necessary to apply a Tremco surface membrane to suppress residual moisture. For further information contact Technical Services.
- Ensure the timber is acclimatised in accordance to the manufacturer's instructions in the environment in which it is to be laid.

- Always allow an expansion gap around any perimeters or columns to allow for natural movement of the wood when bonded.

##### SMOOTHING COMPOUNDS

- Mechanically remove all surface treatments on concrete bases.
- Repair any deep indentations in the subfloor with Tremco SX400 Unispeed Cementitious Repair Mortar.
- Lightly abrade calcium sulphate to remove any surface laitance. Always prime before applying a suitable Tremco smoothing compound to calcium sulphate screeds.
- Apply a suitable Tremco smoothing compound at a minimum thickness of 3 mm.
- See relevant technical data sheet for full information.

##### EXISTING FLOOR COVERINGS

- Not recommended for use over existing floor coverings.

##### Priming

- Clean surfaces thoroughly.
- Prime boards and other porous surfaces with Tremco CS150 Acrylic Primer and allow to dry. This is particularly important with hardboard, chipboard and plywood.
- Ensure the manufacturer recommends the floor covering for use with the particular substrate.

##### Application

- On a smooth floor spread evenly over the floor surface with a triangular notched trowel cut 3 mm deep x 6 mm.
- For rough textured floors a deeper notched trowel may be required. This will adversely affect the coverage rate of the adhesive.

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- Spread the adhesive with a sweeping motion at a 60° angle and place the wood into the adhesive while it is still wet.
- Press firmly or gently tap the wood into the adhesive to ensure good overall contact. Where necessary use heavy objects to hold the wood firmly in place during curing time.
- The bonded wood will be suitable to take foot traffic 6 to 8 hours after application. It should be left for 48 hours before sanding or varnishing takes place.

## Coverage Rate

Using a B3 or a 3 mm x 6 mm 'V' or a notched trowel the coverage is approx. 0.8 - 1.1 kg/m<sup>2</sup>.

## Cleaning

Use water immediately after use.

## Health & Safety Precautions

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

## Storage

Store in dry conditions between +5°C and +25°C.

## Shelf Life

12 months when stored as recommended in original unopened packaging.

## 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.