FLOOR+

MS Adhesive

One-component, solvent-free modified-silane (MS) adhesive for timber and parquetry floors.

Description

A single-part high performance modified silane adhesive. It combines the strength of traditional polyurethane adhesive with the weathering resistance and shorter cure times of silicone. The MS adhesive is designed for the building, construction and engineering industries as it provides a primer-less adhesion to all flooring and wall panelling materials commonly used in these industries. The innovative and environmentally friendly product cures quickly in ambient temperatures and retains excellent bond strength, elasticity and tear resistance. It skins over quickly to resist dust and dirt pickup and can be applied in thick layers without shrinking or bubbling. It does not contain solvents, isocyanates and silicones.

Product Properties

- Fast curing
- Flexible & elastic
- Great beading stability
- Suitable with underfloor heating
- Built in moisture-barrier properties
- Acoustic properties
- No carcinogens, isocyanates and solvents
- Easy to clean

Technical Data

- Working Temperature: +5°C - 35°C (75% Humidity)
- Open Time: 30 - 40 minutes
- Working Time: 60 minutes
- Walking time: 6 - 8 Hours
- Floor Sanding: 48+ Hours
- Shear Strength: 0.7MPa
- Tear Strength: 0.7N/mm
- Coverage 800 - 1000g/m2
- VOC Levels: 16g/kg
- Density: 1.5g/cm3
- Dry solid content: 100%

Substrate Preparation

The subfloor should be thoroughly cleaned and free from any loosely bonded substance. It should be dried, vacuumed and completely free from curing compounds, solvent based markers or paint, oil, grease, and wax.

Test the substrate in accordance with applicable standards relative to moisture content, and must be dry. Any adhesion-reducing or weakly bonded material such as adhesive residues, levelling compounds, floor coverings or coatings must be removed. Priming is not necessary on standard, dry substrates suitable for wood flooring (cementitious or pre-cast screeds). The minimum thickness of any levelling compound below the adhesive should be at least 2mm. MS Adhesive is suitable with slabs up to 85% RH, otherwise application of the POLY280 moisture barrier is required.

Application Recommendation

- Allow the adhesive to come to room temperature. Pull off the foil cover and if any skinning exists, remove and do not mix in.
- Apply an even coat of adhesive onto the substrate using a suitable notched trowel. Do not apply more adhesive than can be laid with good transfer onto the back of the floor covering within the working time. Press down the flooring firmly onto the adhesive,
- Trowel size recommendations:
  - 3mm (Deep) x 4mm (Wide) V Notch Trowel - for solid and engineered timber smaller than 14mmin thickness.
    - Coverage: 1.2 - 1.4m2/L
  - 4mm (Deep) x 5mm (Wide) V Notch Trowel - for solid and engineered timber greater than 14mm in thickness. Minimum required for moisture-resistance and and acoustic benefits.
- Carefully and tightly reseal opened containers with the foil and use contents quickly.

Regularly check to ensure full coverage and floor pressure is maintained to achieve a minimum of 80% bond area between the floor and the substrate.

Cleaning

For uncured products, use eucalyptus oil or mineral spirits. If cleaning timber, use cleaning agents recommended by the floor covering manufacturer to prevent damage to the floor. For cleaning of the cured product, use a scraper carefully to avoid damage to the floor, and then use mineral spirits.

Storage

Product shelf life minimum 12 months in sealed, unopened pails if stored between +5°C - 30°C. Frost-resistant down to -25°C.

Conditions may vary from site to site and it is your responsibility to confirm the best application procedure and suitability. For technical support please contact your dealer or us via email at orders@floorplus.com.au. For commercial, larger-scale, or multi-residential projects, we can provide technical site-inspections and recommendations.