

SikaBond®-T53

Thixotropic Timber Flooring Adhesive

Construction

Description SikaBond-T53 is a one-part polyurethane adhesive for timber flooring systems. The adhesive is of high viscosity and cures on exposure to atmospheric moisture.

Uses SikaBond-T53 is an elastic timber flooring adhesive suitable for bonding the Sika AcouBond system to the substrate.

Advantages

- One part, easy to use.
- Excellent elasticity.
- Excellent sound dampening qualities.
- Suitable for common types of wood floors.
- Quick tack free time.
- Low odour.
- Excellent bead stability.

Storage and Shelf Life Stored in the original sealed container at a temperature range of between 0°C and 25°C this material will keep for a minimum of nine (9) months.

Instructions for Use

Surface Preparation Surfaces must be clean, dry and free from all traces of contamination and loose material. The surface must be structurally sound before application. Any previous coatings or adhesives must be completely removed. To prevent moisture migration and any swelling or cupping of the timber, it is recommended that ground floor slabs be coated with Sika Primer-MB if excessive moisture is present in the concrete.

Priming The moisture content should be measured in accordance with the Floor Coverings Standard, AS1884 – 1985. A method of testing concrete moisture is given in the appendix of this standard.

When the moisture content of the concrete is found to be between 0% and 5.5%, the substrate is considered suitable for SikaBond-T53 to be applied without a primer. When the moisture content of the concrete is found to be between 5.5% and 10%, Sika Primer-MB must be used as a primer before applying SikaBond-T53.

When the moisture content of the concrete is greater than the 10%, EpoCem (Sikafloor-81 or Sikagard-720) should be used as a temporary moisture barrier. Sika Primer-MB should then be used as a prime coat before applying SikaBond-T53. When priming with Sika Primer-MB, a continuous visible film of cured epoxy must be observed on the surface. The application rate will depend on the porosity of the substrate.

Application Sausage: Place the sausage in the application gun and snip off the end. Cut the tip off the nozzle to suit the application and apply to the adhesive with suitable hand or compresses air gun.

Do not apply SikaBond-T53 at temperatures below 5°C or above 35°C. The optimum temperature for substrate and adhesive is between 15°C and 25°C.

Sika AcouBond System: For detailed application instructions consult Sika AcouBond technical data sheet.

For application details of timber flooring systems, contact the timber manufacturer.

Cleaning Uncured SikaBond-T53 can be removed from tools and equipment using Sika Colma Cleaner. Cured material can only be removed mechanically.

Technical Data (Typical)

Basis	One part polyurethane
Colour	Beige
Density	1.2 kg/litre (uncured)
Viscosity	30 Pa.s at 20°C
Tack free time (at 23°C & 50% R.H.)	45 to 60 minutes (approximately)
Open Time	Approximately 1 hour
Rate of cure (at 23°C & 50% R.H.)	3mm in first 24 hours (approximately)
Shore A (DIN53505)	40
Tensile Shear Strength (DIN281)	>1.2 MPa
Tensile Strength (DIN53504)	>1.8 MPa
Elongation at break (DIN53504)	>400%
Service Temperature	-40°C to 70°C
Packaging	600ml sausage

Important Notes

- SikaBond-T53 is resistant to water, dilute acids, and diluted caustic solutions. It is temporarily resistant to fuel, animal fats and oils. It is NOT resistant to organic acids, concentrated mineral acids and concentrated caustic solutions.
- SikaBond-T53 can be overpainted when tack free. Compatibility tests must be first carried out. It should be noted that the paint may impair the elasticity of the adhesive and this may lead to cracking.
- Alcohol containing solvents should not be used as tooling aid, as these will inhibit the cure of polyurethane adhesives / sealants.
- Epoxy resin coatings should be fully cured prior to the application of the adhesive / sealant as the uncured amine component could inhibit the cure of polyurethane adhesives / sealants.

Limitation

- SikaBond-T53 is not recommended as a stand alone coating.
- Timber flooring systems should be allowed to acclimatise to the environment it is to be placed in to allow for expansion and shrinkage problems that may occur. Refer to the timber manufacturers installation and design procedures.
- Due to the many forms of timber flooring available today, including prefinished timber with a coating applied to the under side of the timber, preliminary adhesion testing should be undertaken by the installer to confirm adhesion as well as the structural integrity of any such coating when no previous history of successful bonding is available.

Handling Precautions

- Avoid contact with skin and eyes.
- Wear protective gloves and eye protection during work.
- If skin contact occurs, wash skin thoroughly.
- If in eyes, hold eyes open, flood with warm water, seek medical attention without delay.
- A full Material Safety Data sheet is available from Sika on request.

Important Notification

The information, and, in particular, the recommendations relating to the application and end-use of Sika's products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. . . In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject of our terms and conditions of sale. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.