

PRODUCT DATA SHEET

SikaBond® T-55 (J)

EASY FLOWING TIMBER FLOORING ADHESIVE

DESCRIPTION

SikaBond®-T55 (J) is a one-part polyurethane adhesive for direct elastic bonding of timber floors. The adhesive is of low viscosity and cures on exposure to atmospheric moisture.

USES

SikaBond®-T55 (J) is an elastic timber flooring adhesive suitable for bonding parquetry strip floor panels to concrete or timber floors (both new or existing), or as an underlay prior to timber flooring.

CHARACTERISTICS / ADVANTAGES

- One part, easy to use.
- Excellent elasticity
- Excellent sound dampening qualities.
- Parquetry floor can be sanded after 12 hours.
- Quick tack free time.
- Low odour.
- Excellent bead stability.

PRODUCT INFORMATION

Chemical base	One part polyurethane
Packaging	600 ml sausage, 2 kg sausage
Colour	Ochre
Shelf life	9 months from the date of production, if it is stored properly in undamaged, original, sealed packaging, and if the storage conditions are met.
Storage conditions	Stored in the original sealed container at a temperature range of between 0 °C and 25 °C
Density	1.35 kg/L (uncured)

TECHNICAL INFORMATION

Shore A Hardness	~38	(DIN53505)
Tensile Strength	>1.0 Mpa >1.5 Mpa	(DIN281) (DIN 53504)
Elongation at Break	>400 %	(DIN 53504)
Shrinkage	5 %	(DIN 52451)

Viscosity	30 Pa.s at 20 °C	(ISO 37)
Tear Strength	> 6 MPa	
Service temperature	-40 °C to 80 °C	
Tack Free Time	~90 minutes (at 23°C & 50% R.H.)	
Rate of cure	3 mm in first 24 hours (at 23°C & 50% R.H.)	

APPLICATION INSTRUCTIONS

SUBSTRATE 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 Standards, 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®-T55 (J) 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®-T55 (J).

When the moisture content of the concrete is greater than the 10%, EpoCem should be used as a temporary moisture barrier. Sika® Primer-MB should then be used as a prime coat before applying SikaBond®-T55 (J). 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 compressed air gun.

Pail : Remove lid off pail and cut open foil liner. Once opened, the entire contents of the pail should be used within a short period of time.

Do not apply SikaBond®-T55 (J) at temperatures below 5°C or above 35°C. The optimum temperature for substrate and adhesive is between 15°C and 25°C.

The adhesive should be used be applied over a large surface areas with a notched spreader (notch depth approx. 4 mm). The coverage will vary from 800 ml to 1000 ml per m². Do not allow water to pool. Avoid air entrapment when making the bond or filling joints.

Apply firm pressure when bringing components together and keep the joint under pressure for at least 3 hours until the adhesive has partially cured. For application details of timber flooring systems, contact the timber manufacturer.

CLEANING OF TOOLS

Uncured SikaBond®-T55 (J) can be removed from tools and equipment using Sika® Colma Cleaner. Cured material can only be removed mechanically.

LIMITATIONS

- SikaBond®-T55 (J) 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.
- SikaBond®-T55 (J) 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®-T55 (J) 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.
- 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.

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data and uses.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika 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 accordance with Sika's recommendations. 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 user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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