

Sika Acoustic Matt

Sound Insulating System for Timber Flooring

Construction

Description	The Sika Acoustic Matt system consists of the sound dampening, one component adhesive, SikaBond-T55 (J) and the Sika Acoustic Rubber Matt.
Uses	The Sika Acoustic Matt is used to bond timber floors in residential, office and industrial buildings. The system provides a sound dampening effect improving the acoustic insulation of a room.
Advantages	<ul style="list-style-type: none"> • Reduced noise and vibration transmission. • Low floor zone thickness. • Remains permanently flexible. • Thin construction with high performance. • Simple and easy to install. • Available in a variety of sheets, sizes, strips or pads. • Resists ageing and deformation. • Consistent density and thickness for maximum performance • Use of Australian recycled rubbers.
Instructions for Use	
Surface Preparation	<p>All surfaces must be clean, dry, sound and free from dust and loose particles. Paint, laitance and other poorly adhering particles must be removed by grinding. Standard construction rules or the timber manufacturers or the timber manufacturers instructions regarding moisture content of concrete, cement screeds or wooden substrates must be observed.</p> <p><i>Concrete/cement screed substrate:</i> No preparation is necessary on a dry, dense, wearable substrate. For other substrate conditions, the floor must be grinded and thoroughly cleaned with an industrial vacuum cleaner. (Important: Pre-Trials absolutely necessary)</p> <p><i>Other substrates:</i> In case of flowable screeds and other unknown substrates we recommend that you consult your local Sika Technical Representative.</p>
Priming	<p>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.</p> <p>When the moisture content of the concrete is found to be below 5.5%, the substrate is considered suitable for SikaBond-T55 (J) to be applied without a primer.</p> <p>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).</p> <p>When the moisture content of the concrete is greater than 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-T55 (J).</p> <p>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.</p>
Application	<p>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 the adhesive with suitable hand or compressed air gun.</p> <p>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.</p> <p>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.</p> <p>The adhesive should be applied over a large surface areas with a notched spreader (notch depth approx. 6mm to achieve 4mm head height). The coverage will vary from 800ml to 1000ml per m². Avoid air entrapment when making the bond or filling joints.</p>

Application (continued)	Apply firm pressure when bringing the Acoustic Matt in contact with the SikaBond T55 (J). After twelve hours of application of the Acoustic Matt, screed another layer of Sikabond T55 (J) to the Matt and apply timber planks. Keep the components under pressure for at least 3 hours until the adhesive has partially cured. For application details of timber flooring systems, contact the timber manufacturer.
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Technical Data (Typical)

1. Sika Acoustic Matt

Type	Prefabricated medium density rubber underlay designed for noise and vibration insulation and resilience.
Colour	Black
Density	350 kg/m ³
Thickness	5 mm
Dimensions	1 m wide 1 m long 1 m ² /matt

2. SikaBond T55 (J)

Type	One part polyurethane
Colour	Beige
Density	1.35 kg/litre
Tack Free Time	Approximately 90 minutes (at 23°C & 50% r.h)
Rate of Cure	3 mm in 24 hours (at 23°C & 50% r.h)
Shore A	38 (DIN 53505)
Tensile Strength	>1.5 MPA (DIN 53504)
Tensile Shear Strength	>1.0 MPA (DIN 281)
Elongation at Break	>400% (DIN 53504)
Service Temperature	-40°C & +80°C
Packaging	600 ml sausage, 2 kg sausage, 16 kg pail

Important Notes

- Floors can be walked on 24 hours after installation (no traffic or heavy concentrated loads). The floor is fully serviceable after 48 hours.
- For proper curing of the SikaBond-T55 (J), it must be allowed to moisture cure (i.e. either from the substance or the air).
- SikaBond-T55 (J) should not be used on polyethylene, polypropylene, Teflon & other plasticised synthetic materials. (Trials should be conducted if in doubt).
- Consult Sika Primer MB Technical Data Sheet for detailed priming information.
- 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.

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.

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