

Product Data Sheet
Edition 26/07/2007
Identification no:
02 05 02 02 007 0 000001
SikaBond®-T8

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Flexible waterproofing tile adhesive

Product Description

SikaBond®-T8 is a one part elastic tile-adhesive.

Uses

SikaBond®-T8 is an adhesive to waterproof your tile floor. SikaBond-T8 builds a waterproof layer and bond ceramic tiles on concrete, mortar and old existing tiles. For balconies, terraces, loggias, kitchens, bathrooms and other areas exposed to water.

Characteristics / Advantages

- 1-part, ready to use
- Fast curing
- Reduce noise transmission, damps footfall sound
- Bonding directly onto old ceramic tiles
- Adhesion to various substrates
- Reduces stress on the substrate: the elastic adhesive reduces transverse stress between tiles and substrate
- Waterproofing and Bonding with only one product
- Compensation for substrate unevenness

Product Data

Form

Colour Parquet brown

Packaging 10 l pail (13.4 kg)
33 pails per pallet

Storage

Storage Conditions / Shelf Life 12 months from date of production if stored in undamaged original sealed containers, in dry conditions and protected from direct sunlight at temperatures between +10°C and +25°C.

Construction



Technical Data

Chemical Base	1-part Polyurethane, moisture curing.
Density	~ 1.34 kg/l
Skinning- / Laying Time	~ 45 minutes (depending on climate)
Curing Rate	~ 4 mm / 24h (+23°C / 50% r.h.) Floor may be walked on 12-24 hours after installation (depending on climatic conditions and adhesive layer thickness).
Sag Flow	Consistency: Spreads very easily, trowel marks stable.
Service Temperature	-40°C to +70°C

Mechanical / Physical Properties

Shear Strength	~ 1.0 N/mm ² , 1 mm adhesive thickness (+23°C / 50% r.h.)	(DIN 281)
Tensile Strength	~ 1.5 N/mm ² (+23°C / 50% r.h.)	(DIN 53 455)
Shore A Hardness	~ 35 (after 28 days)	(DIN 53 505)
Elongation at Break	~ 400% (+23°C / 50% r.h.)	(DIN 53 504)

System Information

Application Details

Consumption	<ol style="list-style-type: none">1. Waterproofing Layer: ~ 2.0 - 2.7 kg/m² with metal trowel in a layer about 2 mm thick (depending on substrate quality)2. Bonding Layer ~ 1.5 kg/m² with notched trowel (notches min. 4 x 4 mm / min. trowel C1) <p>For substrates prepared with Sika Primer MB, the consumption of SikaBond-T8 is lower.</p>
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Substrate Quality	Clean and dry, homogeneous, even, free from grease, oil, dust and loose particles. Paint, laitance and other poorly adhering particles must be removed. Substrate quality can be improved with Sika Primer MB (for detailed instructions consult the Product Data Sheet of Sika Primer MB or contact our Technical Service).
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Substrate Preparation	<p>Concrete / cement screed: Must be ground and thoroughly cleaned with industrial vacuum cleaner.</p> <p>Anhydrite screed / Anhydrite flowable screed: Must be ground and thoroughly cleaned with industrial vacuum cleaner shortly before bonding starts.</p> <p>Broadcast mastic asphalt: Must be primed with Sika® Primer MB. Instructions for use, see Product Data Sheet for Sika® Primer MB.</p> <p>Glazed ceramic and old tiles (ceramics, stones, marbels, synthetic stones): Degrease, clean with SikaCleaner® or grind the tile-surface and clean thoroughly with an industrial vacuum cleaner.</p> <p>Unknown substrates: Please contact our Technical Service.</p> <p>SikaBond®-T8 can be used without priming on cement floors, anhydrite floors, chip boards, concrete and ceramic tiles. Don't use dust proofers without consulting our Technical Service.</p> <p>For broadcast mastic asphalt, cement floors in case of renovation on old adhesive residues and on structurally weak substrates use Sika® Primer MB. For detailed instructions consult the Product Data Sheet of Sika® Primer MB or contact our Technical Service.</p>
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Application Conditions / Limitations

Substrate Temperature $\geq +5^{\circ}\text{C}$ min. $\leq +35^{\circ}\text{C}$ max. Pay attention to the dew point!

Ambient Temperature $\geq +5^{\circ}\text{C}$ min. $\leq +35^{\circ}\text{C}$ max. Pay attention to the dew point!

Substrate Moisture Content Permissible substrate moisture content (standard application without Sika® PrimerMB):

- $< 6\%$ CM

Permissible substrate moisture content in case of using Sika Primer MB (as additional waterproofing membrane):

- $< 4\%$ CM

Application Instructions

Application Method / Tools

Generally SikaBond®-T8 is applied in two layers. The first layer for waterproofing, the second layer for bonding the tiles.

1. **Waterproofing Layer:**
Spread SikaBond®-T8 evenly with the straight edge of the trowel.
Consumption depending on substrate: $\sim 2.0 - 2.7 \text{ kg/m}^2$
2. **Bonding Layer:**
As soon as the first layer can be walked on, (after 5 to 15 hours, depending on climate), the second layer of SikaBond®-T8 must be uniformly distributed by notched trowel. Consumption $\sim 1.5 \text{ kg/m}^2$. Press the ceramic tiles firmly into the adhesive so that the tiles underside is fully wetted. Procedure has to be finished within 45 minutes (depending on climate).
Fresh uncured adhesive remaining on the tiles must be removed immediately with a clean cloth and if necessary cleaned with Sika® Remover-208 or Sika® TopClean-T towels. Test tile surface for compatibility with Sika® Cleaner-208 before use. Grouting of tile joint with a flexible grout (e.g. Sika® Ceram-T502 TG Flex).

Important:

If the waiting time between first and second layer is exceeded and / or if the first layer has been soiled, the first layer must be reactivated / cleaned with Sika® Cleaner-205.

Cleaning of Tools

Clean all tools and application equipment with Sika® Remover-208 immediately after use. Hardened / cured material can only be removed mechanically.

Notes on Application / Limitations

For better workability the adhesive temperature must be at least $+15^{\circ}\text{C}$. For the proper curing of the adhesive sufficient ambient moisture is necessary.

SikaBond®-T8 is not suitable as tile adhesive for vertical applications.

SikaBond®-T8 elastic water proofing layer must not be covered with rigid tile adhesives.

Do not use on PE, PP, TEFLON, and certain plastized synthetic materials (carry out pre-trials or contact our Technical Service).

Some primers can negatively influence the adhesion of SikaBond®-T8 (pre trials recommended).

Do not mix with or expose uncured SikaBond®-T8 to substances that may react with isocyanates, especially alcohols which are often components within e.g. thinners, solvents, cleaning agents and formwork releasing compounds. Such contact could interfere or prevent the cross linking curing reaction of the material.

Curing Details

Applied Product ready for use Can be walked on: after 12 to 24 hours (depending on climate)
Final cure: after 1 to 2 days (depending on climate)

Value Base

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

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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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