

## PRODUCT DATA SHEET

# Sika® Tite Undertile

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FLEXIBLE, ONE PART, WATERBASED WATERPROOFING FOR USE UNDER FINISHES

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## DESCRIPTION

Sika® Tite Undertile is a highly flexible, fast-drying, Styrene Butadiene Rubber latex modified waterproofing membrane. Sika® Tite Undertile has excellent adhesion to most common building substrates and is suitable for internal and external waterproofing of shower recesses, bathrooms, balconies, roofs and decks.

## USES

- Concrete
- Sand / cement screeds
- Cement render
- Fibrous cement sheeting
- Structural particle board sheeting
- Compressed fibrous cement sheeting
- Water resistant plasterboard
- Structural plywood sheeting

## PRODUCT INFORMATION

<b>Packaging</b>	15 Litre plastic pails
<b>Shelf life</b>	12 months from date of manufacture in original, sealed containers, if the storage conditions are met.
<b>Storage conditions</b>	Store in dry environment, protected from direct sunlight at temperatures between +5°C and +25°C
<b>Colour</b>	Grey
<b>Consumption</b>	Apply two coats to achieve a minimum dry film thickness of 1.0mm. Application rate of 0.75mm wet film thickness per coat.
<b>Curing time</b>	Allow a minimum of 8 hours curing prior to applying finished covering, and a minimum of 5 days to cure before flood testing. Allow longer in cool or cold weather conditions.

## CHARACTERISTICS / ADVANTAGES

- Class III
- High Extensibility >300%
- Micro fibre enhanced reinforcement
- Internal and external covered applications
- One part – No mixing, ready to use
- Water based - Low VOC's, Non hazardous
- Compatible with Sika® tile adhesives

## APPROVALS / CERTIFICATES

AS/NZS 4858: Wet area membranes - Class III

## BASIS OF PRODUCT DATA

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.

## IMPORTANT CONSIDERATIONS

### LIMITATIONS

- Sika® Tite Undertile is not suitable for negative hydrostatic head of water pressure.
- Sika® Tite Undertile must not be applied over damp or wet substrates
- Sika® Tite Undertile must not be applied in rain or if bad weather is imminent.
- Sika® Tite Undertile must not be applied over coatings or contaminations.
- Sika® Tite Undertile must be applied at the recommended coverage rate.
- Sika® Tite Undertile must not be used in submerged applications.
- Sika® Tite Undertile must not be used as a trafficable, exposed or UV stable coating.
- Do not apply Sika® Tite Undertile when the temperature is below 5°C or greater than 35°C.
- Do not allow Sika® Tite Undertile to freeze.
- To eliminate contamination or damage, the finished covering must be applied as soon as Sika® Tite Undertile has cured.
- Timber floors must be overlaid with suitable cement sheeting prior to waterproofing.
- Contact Sika Technical Services for advice if further information is required or for applications not mentioned in this document.

## ECOLOGY, HEALTH AND SAFETY

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

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

All surfaces to be waterproofed must be firm, clean, dry, structurally sound and smooth. All grease, oil, wax, curing compounds, dust, loose material, laitance and other contaminants must be removed. All projections and rough spots should be dressed off to achieve a level surface. The substrate surface must be continuous and not pond water.

#### Concrete

Allow at least 28 days for the concrete to cure. Concrete should be left with an open surface – standard wood float or broom finish. All traces of curing compounds or sealers should be removed prior to application. Old concrete must be thoroughly cleaned and washed and allowed to dry. The surface should be even unless falls are incorporated where required, imperfections to be repaired with a suitable Sika® Mono-Top repair mortar.

#### Sand / Cement Screeds and Renders

The screeds and / or renders must conform to the ap-

propriate standard and should be left with a wood float finish and left to cure for at least cure for 7 days.

#### Building Boards

Water resistant plasterboard, fibrous cement sheeting, marine ply must be solidly fixed in accordance with the manufacturer's instructions specifically for tiling. The area must be primed with ECO SYSTEMS® Eco Prime WB, particularly where a jointing compound has been used.

#### Particleboard

Particleboard must be fixed in accordance with the manufacturer's instructions specifically for tiling and meet minimum deflection standards for tiling. Secure floor with additional fixings and wedges, sand any surface contamination after initial preparation. The area must be primed with ECO SYSTEMS® Prep 'N' Prime.

#### Static Crack & Sheet Joint Treatment

For static cracks 0.5 – 3mm wide rout out and clean thoroughly before filling with Sika® Neutral Cure silicone to form a Bond Breaker, For all sheet joints and seams clean thoroughly and fill with Sika® Neutral Cure silicone to form a Bond Breaker, apply a liberal coat of Sika® Tite Undertile extending 100mm either side of the crack and place Aqua Blök® reinforcing bandage into the wet membrane, press down firmly to ensure good contact, apply another liberal coat of Sika® Tite Undertile to the entire surface to embed the bandage. For dynamic cracks, expansion joints and control joints contact Sika® technical service for advice.

#### BOND BREAKER / CONNECTOR SEALANT

Suitable bond breaker: Any Sika neutral cure silicone sealant

Suitable connector sealant: SikaFlex Fillet or SikaFlex construction AP

Sika® Tite Undertile is a membrane with high extensibility and is designed for use with a 12mm Bond Breaker, a bead of Sika® Neutral Cure silicone must be tooled off to form a 12mm wide bond breaker. A bond breaker must be installed at areas subject to movement, wall/wall junction, wall/floor junction, sheet joints and seams, penetrations and where there is a change in the direction or substrate type.

<u>Substrate</u>	<u>Primer</u>
Porous substrates	Eco Prime WB Davco Ultraprime
Dense concrete	Davco PrimeX
Early aged screed	Sikalastic Moisture Seal

## CLEANING OF EQUIPMENT

Clean tools and equipment with clean water while the material is still wet. Cured coating can only be removed mechanically.

## LOCAL RESTRICTIONS

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

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