BUILDING TRUST

PRODUCT DATA SHEET

SikaTite® Undertile Rapid

A HIGHLY FLEXIBLE CLASS III, RAPID DRYING, UNDER TILE WATERPROOFING MEMBRANE

DESCRIPTION

SikaTite® Undertile Rapid is a highly flexible, Class III, rapid drying, waterproofing membrane suitable for internal and external use.
SikaTite® Undertile Rapid is designed to bond to a wide variety of substrates and is micro fibre reinforced for improved tensile strength and crack bridging.

USES

SikaTite® Undertile Rapid is suitable for use over typical substrate such as;

- Concrete
- Cement based screeds and renders
- Fibre cement sheeting / Ceramic Tile Underlay
- Compressed cement boards
- Structural particle board sheeting overlayed with ceramic tile underlay
- Structural plywood sheeting
- Water resistant plasterboard
- Existing tiles (refer further detail in priming)

FEATURES

- Rapid drying, overcoat in 2 hours
- Flood test after 24 hours
- High extensibility >300%
- Blue colour
- Internal & external applications
- Water based - easy to use
- Low VOC
- Residential and commercial applications
- Compatible with Sika and Davco range of tile adhesives
- Premixed ready to use
- Class III, highly flexible

PRODUCT INFORMATION

Packaging	15 & 4 Litre pails
Shelf life	12 months from date of manufacture if unopened.
Storage conditions	Store in dry cool conditions, off ground out of direct sunlight. Do not allow to freeze.
Colour	Blue
Solid content by volume	69%
Volatile organic compound (VOC) content	0.19%

TECHNICAL INFORMATION

Dry film thickness	Minimum 1.0mm
Layer thickness	SikaTite® Undertile Rapid shall be applied in a minimum of 2 coat to both wall and floor substrates. Application coverage rate: 0.75 Litres per m^2 per coat.
Drying time	Allow 2 hours drying between coats at 23°C and 50% relative humidity. Hot or warm temperature will reduce drying times. Cold and high humidity will extend drying times
Applied product ready for use	

	Drying time
Ready for 2nd Coat	2 hours after 1st coat.
Ready for tiling	4 hours after final coat.
Return to service	3+ days

Drying times are determined at 23°C and 50% Relative humidity. Allow longer in cold or high humidity climates.

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.

FURTHER DOCUMENTATION

Flood testing can be conducted after 24 hours and 23°C and 50% relative humidity.
Flood test can be conducted for a maximum duration of 2 hours.
Always inspect membrane after flood testing to ensure membrane integrity. Repair / recoat as required.

IMPORTANT CONSIDERATIONS

- SikaTite® Undertile Rapid must not be applied over damp or wet substrates.
- SikaTite® Undertile Rapid is not suitable for negative head of water pressure.
- SikaTite® Undertile Rapid must not be applied if rain or bad weather is imminent.
- SikaTite® Undertile Rapid must be applied at the recommended coverage rates.
- SikaTite® Undertile Rapid is not suitable for submerged applications such as pools, spas, and ponds.
- SikaTite® Undertile Rapid must not be used as a trafficable, exposed or UV stable coating.
- SikaTite® Undertile Rapid shall be used above 5°C and below 35°C.
- Do not allow SikaTite® Undertile Rapid to freeze.
- To minimise the chance of damage install finished covering as soon as possible once the membrane has dried.
- Timber floors must be over sheeted with a suitable fibre cement sheeting or ceramic tile underlay.
- Contact Sika Australia for further information or applications not noted 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

EQUIPMENT

- Personal protective equipment
- Brush and or short nap roller

SUBSTRATE QUALITY

Concrete:
- All new concrete slabs must have a wood float finish and be allowed to cure for at least 6 weeks • Old concrete must be cleaned with a strong commercial grade detergent or degreaser. Residue must then be thoroughly washed off with clean water. Allow the surface to dry for at least 24 hours • If the concrete (new or old) has a steel trowel or power float finish, it must be mechanically abraded to expose the aggregate. Laitance must be removed prior to application.

Renders & Screeds
- New rendered or screeds surfaces must have a wood float finish and be allowed to cure for at least 7 days

Light Weight Block / Hebel, and cement coated polystyrene boards
- Prime the surface with 2 coats of Davco Ultraprime or Davco PrimeX

Metal drain connections and PVC puddle flanges
- Shall be lightly abraded and then cleaned
- Apply a coat of Sika® Prep n Prime and allow to dry

Construction Sheeting & Boards
- Standard wall / floor building boards must be primed with the porous primer and firmly fixed in accordance with manufacturer's instructions and appropriate Australian Standards. Such boards include plasterboard, fibre cement sheeting, marine grade ply and wet area composition board. Check with manu-

facturer of other building boards for their suitability.
- Screw or nail heads must be sealed with a Sika® Neutral cure sealant.
- All sheeting joints, seams, penetrations and wall/floor junctions shall have a Sika® Neutral cure sealant applied.

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 flat surface. The substrate surface must be continuous and not pond water with adequate falls to waste as required.

Substrate Priming:

Substrate	Primer
Porous Substrates	SikaTile 010 Secure Prime Davco Ultraprime Davco PrimeX
Dense or highly burnished concrete	Sika 010 Secure Prime Davco PrimeX
Early aged screeds	Sikalastic Moisture Seal

Static crack and sheet joint treatment:
For static cracks 0.5–3 mm 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 SikaTite® Undertile Rapid extending 100 mm either side of the crack/joint and place bandage into the wet membrane, press down firmly to ensure good contact, apply another liberal coat of SikaTite® Undertile Rapid to the entire surface to embed the bandage.
For dynamic cracks, expansion joints and control joints contact Sika® technical service for advice.

Bond Breaker:
SikaTite® Undertile Rapid has high extensibility and is designed for use with a 12 mm bond breaker, a bead of Sika® Neutral cure silicone.
Cure Silicone must be tooled off to form a 12 mm 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.

Connector Selant:
For areas that require a connector sealant use Sikaflex Fillet or Sikaflex Pro

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.

Sika Australia Pty Limited
ABN 12 001 342 329
aus.sika.com
Tel: 1300 22 33 48