

**Product Data Sheet**  
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Identification no:  
01 09 02 01 05  
H<sub>2</sub>OTite

## H<sub>2</sub>OTite

### Acrylic waterproofing system

#### Product Description

The Sika® RainTite® Kit provides a complete waterproofing system, consisting of:

- **H<sub>2</sub>OTite Waterproofing Compound**  
Flexible UV resistant acrylic emulsion
- **H<sub>2</sub>OTite Membrane**  
Non – woven polyester membrane

The system forms a fully bonded, durable, flexible waterproofing system.

#### Uses

- Flashings
- Sealing joints, laps and roofing screws on corrugated roofs
- Parapet walls

#### Characteristics / Advantages

- Single component acrylic - easy to use
- Excellent adhesion
- Flexible and durable
- UV resistant
- Vapour permeable

#### Product Data

##### Form

**Appearance/Colours** Thixotropic liquid: Charcoal, Grey, Terracotta, Red, Green, Brown, Black and White.

**Packaging** 5 litre and 10 litre containers with an attached 200mm x 10m and 200mm x 20m roll of membrane respectively.

##### Storage

**Storage Conditions / Shelf-Life** 12 months in original, unopened container. Store in a dry area between 5°C and 30°C. Protect from direct sunlight.



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## Technical Data

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**Chemical Base** Water based acrylic

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**Density** ± 1,17kg/litre

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**pH-Value** ± 8,5

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**Layer Thickness** 1.5 – 2.0mm

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## Mechanical Properties

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**Bond Strength** Depends on substrate.

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## System Information

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**System Structure** **Primer:** 1 coat **H<sub>2</sub>O Tite**

**Saturator:** 1 coat **H<sub>2</sub>O Tite**

**Top Coat:** 1 coat **H<sub>2</sub>O Tite**

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## Application Details

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**Consumption / Dosage** Approximately 2,1 litres per m<sup>2</sup> or 2.38m<sup>2</sup>.

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**Substrate Quality** The surface must be dry and free of all contaminants such as oils, grease, coatings and surface treatments etc.

Weak concrete or plaster, should be removed and surface defects such as honeycombed areas, blowholes and voids must be fully exposed.

Repairs to substrate, filling of blowholes/voids and surface levelling should be carried out using the appropriate product from the Sikafloor<sup>®</sup>, Sikadur<sup>®</sup> and Sikagard<sup>®</sup> range of materials.

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## Substrate Preparation / Priming

All surfaces, must be clean, dry, sound and properly cured. Remove all loose materials mechanically, preferably with a wire brush. Iron and steel surfaces should be free of rust.

Iron and steel surfaces should be treated with a suitable corrosion resistant coating, prior to application of **H<sub>2</sub>O Tite**.

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## Application Conditions / Limitations

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**Substrate Temperature** Min. 5°C – max. 30°C.

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**Ambient Temperature** Min. 5°C – max. 35°C.

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**Substrate Humidity** < 10%

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**Relative Air Humidity** < 80%

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**Dew Point** Substrate temperature must always be at least 3°C above the measured dew point.

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## Application Instructions

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### Application Method

**Step 1** Apply a generous base coat (1.0Ltr/m<sup>2</sup>) of **H<sub>2</sub>O Tite** by brush or roller.

**Step 2** Embed the **H<sub>2</sub>O Tite** Membrane into the base coat while it is still wet. Ensure that the membrane is thoroughly embedded and smooth out all air pockets and creases. Overlaps of adjacent membrane must be a minimum of 50mm.

**Step 3** Immediately apply a second coat (0.6Ltr/m<sup>2</sup>) of **H<sub>2</sub>O Tite** while the base coat is still wet, to fully saturate the membrane from both sides.

**Step 4** When touch dry, apply a final top coat (0.5Ltr/m<sup>2</sup>) of **H<sub>2</sub>O Tite** to complete the application. Protect from rain until dry.

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<b>Cleaning of Tools</b>	Remove uncured <b>H<sub>2</sub>O Tite</b> with water. Cured material can only be removed mechanically.
<b>Waiting Time / Overcoatability</b>	<b>Touch dry:</b> 2 – 3 hours depending upon ambient conditions.
<b>Note on Application / Limits</b>	Concrete should be a minimum of 28 days old and the moisture content less than 10% before application.  The normal precautions pertaining to dew point should be observed.  If steel is previously coated, contact our Technical Department.  <b>DO NOT ATTEMPT APPLICATION IF RAIN IS IMMINENT.</b>  Protect from rain until completely dry. Failure to do so will lead to the product being washed away and possible staining of the surrounding surface area.  Under applying the product could lead to poor performance of the waterproofing system.  Apply a rejuvenation coat (as in step 4) annually to ensure the integrity and longevity of the system and in compliance to warranty guidelines.
<b>Local Restrictions</b>	Please note that, as a result of specific local regulations the performances of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.
<b>Health and Safety Information</b>	
<b>Protective Measures</b>	Contact with skin and eyes must be avoided. Use the necessary protective wear to reduce the possibility of contact.
<b>Ecology</b>	
<b>Transportation Class</b>	
<b>Important Notes</b>	Residues of material must be removed according to local regulations. Fully cured material can be disposed of as household waste under agreement with the responsible local authorities.  Detailed health and safety information as well as detailed precautionary measures e.g. physical, toxicological and ecological data can be obtained from the Material Safety Data Sheet.
<b>Toxicity</b>	
<b>Legal Notes</b>	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 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. The purchase of the product is subject to our terms and conditions which are accessible on <a href="http://www.sika.co.za">www.sika.co.za</a> . Users must always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request.



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