

PRODUCT DATA SHEET

Sika® RainTite

ACRYLIC WATERPROOFING

DESCRIPTION

Sika® RainTite is one component multipurpose highly flexible UV resistant acrylic emulsion based. It can be applied on parapet walls, external walls, etc and can be combined with membrane. The system forms a fully bonded, durable, flexible waterproofing membrane.

USES

- Concrete sloped roofs (with membrane)
- Finishing
- Sealing joints, laps and roofing screws on various kind of roofs (roof tile, asbestos, zinc)
- Parapet walls
- External walls

CHARACTERISTICS / ADVANTAGES

- External weather & UV resistant
- Easy to use and apply
- No priming
- Excellent adhesion to most surfaces
- High flexibility
- Thixotropic
- Non toxic
- Will not promote fungal growth

APPROVALS / STANDARDS

Certified Singapore Green Label, The Singapore Environment Council, Environmentally Preferred Paints & Surface Coating, December 2023.

PRODUCT INFORMATION

Packaging	1 kg, 4 kg, 20 kg pail (Grey & White)
	1 kg, 4 kg, 18 kg pail (Transparent)
Shelf Life	12 months from date of production
Storage Conditions	Stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +30 °C and protect from direct sunlight.
Colour	White, Grey , Transparent.

TECHNICAL INFORMATION

Tensile Strength	~2.5 N/mm ²
Elongation at Break	~100 %
Behaviour After Artificial Weathering	No serious effect after 3 000 hours

SYSTEM INFORMATION

System Structure

Without membrane

Primer (if substrate is porous) :	~0.3 kg/m ² (diluted with 10 % water)
1 st Coat :	~0.3 kg/m ²
2 nd Coat :	~0.3 kg/m ²

With membrane

Primer (if substrate is porous) :	~0.3 kg/m ² (diluted with 10 % water)
1 st Coat :	0.8 - 1.0 kg/m ²
Membrane	
2 nd Coat :	0.8 - 1.0 kg/m ²
Top Coat :	~0.4 kg/m ²

Dry film thickness

~0.3 mm to ~0.45 mm (2 - 3 coats without membrane)
~1.0 mm to ~1.35 mm (3 - 4 coats with membrane)

APPLICATION INFORMATION

Ambient Air Temperature

< 35 °C

Substrate Temperature

< 35 °C

Drying Time

2-3 hours depending upon ambient conditions

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.

LIMITATIONS

- Ambient and surface temperatures must be below 35 °C during application
- Do not attempt application if rain is imminent
- It is not recommended to apply screed mortar on top of Sika® RainTite
- Avoid ponding water on top of Sika® RainTite
- Minimum slope for Roof application (with membrane) should be 3 %

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 Material Safety Data Sheet (MSDS) containing physical, ecological, toxicological and other safety-related data.

VOC DATA

31g/L USEPA Method 24

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

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

APPLICATION

Without Membrane :

- For porous substrate, apply first coat Sika® RainTite diluted with 10 % water as primer layer. Allow enough drying time (>3 hours, depending upon ambient conditions)
- Apply Sika® RainTite in two coats (~0.3 kg/m²/coat), by brush or roller

With Membrane :

- For porous substrate, apply first coat Sika® RainTite diluted with 10 % water as primer layer. Allow enough drying time (>3 hours, depending upon ambient conditions)
- Apply a first coat (0.8 - 1 kg/m²) of Sika® RainTite by brush or roller
- Embed the membrane into the first 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 50 mm
- Immediately apply a second coat (0.8 - 1 kg/m²) of Sika® RainTite while the first coat is still wet, to fully saturate the membrane from both sides

- When dry, apply a final top coat ($\sim 0.4 \text{ kg/m}^2$) to complete the application. Protect from rain until dry

CLEANING OF TOOLS

Remove uncured surface Sika® RainTite with water.
Cured material can only be removed mechanically.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.



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