

PRODUCT DATA SHEET

SikaShield® W1 IT

One-component adhesive used as an adhesion promoter for self-adhesive polymer-bitumen waterproofing membranes

PRODUCT DESCRIPTION

One component cementitious adhesive used as an adhesion promoter for self adhesive polymer-bitumen waterproofing membranes

USES

Adhesion promoter for self adhesive waterproofing membranes on vertical cement surfaces (including damp surfaces).

CHARACTERISTICS / ADVANTAGES

- High adhesion to the support even in the presence of damp
- Solid adhesion of the self-adhesive membranes and no slipping
- Easy to apply with a spatula
- Low cost and non harmful

ENVIRONMENTAL INFORMATION

Low VOC emission product

PRODUCT INFORMATION

Packaging	25 Kg bag
Shelf Life	12 months
Storage Conditions	Stored properly in original unopened and undamaged sealed packaging in dry conditions
Appearance / Colour	Grey/beige powder
Bulk Density	~ 1,20 Kg/l

TECHNICAL INFORMATION

Tensile Strength	~ 1,4 N/mm ²	(EN 1015-12)
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APPLICATION INFORMATION

Fresh mortar density	~ 1,60 Kg/l
Consumption	~ 2 - 3 Kg/ m ²
Pot Life	~ 60 minutes at 23 °C

VALUE BASE

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

ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

All concrete and mortar substrate must be sound, clean and free from oil, grease and surface contaminants.

Delaminated, weak, damaged, surface laitance and deteriorated concrete shall be removed by suitable means.

Pre-wet the surface if necessary at very high temperature or remove standing water where applicable.

APPLICATION METHOD / TOOLS

SikaShield® W1 IT is prepared by mixing the product in powder form, with approximately 32% of clean water. Pour the 25Kg bag into a suitable bucket containing 7,5 - 8 litres of water and mix with a low-speed mixing paddle until a smooth, lump-free mixture is obtained. The mix remains workable for roughly 60 minutes at 20°C. SikaShield® W1 IT should be used to even out consumption which can vary according to the regularity of the substrate. The self-adhesive membrane should then be laid immediately after SikaShield® W1 IT has been applied to the fresh product. Once the membrane has been laid, use a roller to facilitate adhesion.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

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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