

PRODUCT DATA SHEET

Sika® Bitumen-W

A WATER BASE BITUMINOUS COATING FOR PERMANENT PROTECTION OF CONCRETE SURFACES
SUBJECTED TO AGGRESSIVE SOILS.

DESCRIPTION

A water base Bituminous coating for permanent protection and waterproofing of concrete surfaces subjected to aggressive soils.

Sika Bitumen® -W is complies with ASTM D-1227 type 3 Class 1

USES

Sika Bitumen® -W is directly used for protection of foundations, basements and below ground concrete from salt attack.

It is used as a damp proof membrane.

CHARACTERISTICS / ADVANTAGES

- Easy application (Brush, roller or airless spray).
- No heating required (cold application).
- Suitable for closed places applications (solvent free).
- Can be applied over damp surfaces.
- Increased coverage rates.
- High resistance to aggressive chemicals and salts.

APPROVALS / CERTIFICATES

ACI 515 IR-79. Guide to use of waterproofing, damp proofing, protection and decorative barrier systems for Concrete. Chapter 2 section 2.1.1, 2.1.2 and 2.1.3 .

ASTM D1227 type 3 class 1

Sika Bitumen® -W has been tested as per SCAQMD Rule 1168.

Result : VOC Content 0 g/l.

PRODUCT INFORMATION

Composition	Bitumen Emulsion
Packaging	14 kg pails 200 kg drums
Colour	Browne-black turns to black film after drying

Shelf life	12 months from date of production if stored properly in original unopened packing.
Storage conditions	In dry conditions and under maximum temp. 45 °C.
Density	1.0 ± 0.05 kg/l

APPLICATION INFORMATION

Consumption	0.35 – 0.40 Kg/m ² , 1st coat. 0.15 – 0.20 Kg/m ² , 2nd coat, depending on substrate porosity.
Waiting Time / Overcoating	Min. 2 hours (depending on temperature)

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

All surfaces must be clean, free from oil, grease, standing water and all loosely adhering particles.

MIXING

Add 10-20 % of water to Sika Bitumen® -W to first coat and stir it to achieve homogeneous consistency of the product.

APPLICATION METHOD / TOOLS

Sika Bitumen® -W can be applied by brush, roller or airless spray gun.
Stir material before application
Normally two or three coats are required, depending on the degree of protection required.
When Sika Bitumen® -W has to be covered with a screed, the final coat should be blinded with clean dry sharp sand as soon as it applied, after drying the excess sand should be brushed off.

CLEANING OF EQUIPMENT

Clean with water for non-hardened material, for hardened materials use Sika Thinner 2.

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.

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.

ECOLOGY, HEALTH AND SAFETY

Ecology

Sika Bitumen® -W in liquid state, can contaminate water and soil, disposal of product residues according to local regulations.

Safety precautions

Sika Bitumen® -W may cause irritation to the skin and/or mucous membrane of sensitive people, if the

material accidentally splashes into eyes, flush immediately with warm waters and seek medical representative.

Always wears protective gloves and goggles during mixing and application.

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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