PRODUCT DATA SHEET
SikaBit® W-15

WET-APPLIED, MODIFIED BITUMEN WATERPROOFING MEMBRANE

DESCRIPTION

SikaBit® W-15 is a double-sided modified bitumen waterproofing membrane for wet-application. It consists of a cross-laminated PE film and two modified bitumen layers covered with silver release liners.

USES

SikaBit® W-15 is designed for non-exposed waterproofing application such as:
- Foundations
- Basement slabs and walls
- Podium slabs

CHARACTERISTICS / ADVANTAGES

- Safe, easy and fast installation
- No need for special equipment
- Direct application on wet substrate
- Excellent initial and long term adhesion
- Full surface bonding
- Zero water underflow
- Crack-bridging ability
- High tear resistance
- High puncture resistance
- Resistant to chemical corrosion

APPROVALS / CERTIFICATES

GB/T 23457-2009 Pre-applied and wet installed waterproof sheets Singapore Green Label (in process)

PRODUCT INFORMATION

Packaging	1.0 m x 20 m rolls on cardboard coil wrapped in woven plastic bag. 50 kg/roll, 25 rolls/pallet.
Appearance / Colour	Sheet membrane with laminated PE film reinforcement inside and silver release liners on both sides. Black with white color product name and logo printing on the release liner.
Shelf life	12 months from date of production
Storage conditions	Store in dry conditions between +5 °C to +35 °C. Rolls must be stored in their original package, in vertical position and under cool and dry conditions. They must be protected from direct sunlight, rain, snow and ice.
Effective Thickness	1.5 mm (± 10 %) (ASTM D3767 A)

TECHNICAL INFORMATION

Tensile Strength	4 N/mm (± 10 %) (*) Modified	(ASTM D412 *)
Elongation	200 % (± 10 %) (*) Modified	(ASTM D412 *)

Resistance to Tear	23 N (± 10 %)	(ASTM D624)
Joint Peel Resistance	700 N/m (± 10 %) (At 23 °C)	(ASTM D1876)
Joint Shear Resistance	220 N (± 10 %)	(ASTM E154)
Foldability at Low Temperature	Low temperature flexibility — Unaffected	(ASTM D1970)
	Cycling over crack (100 cycl.) — Pass (At -15° C)	(ASTM C836)
Resistance to lateral water migration	70 m (± 10 %)	(ASTM D5385)

APPLICATION INSTRUCTIONS

APPLICATION METHOD / TOOLS

PRE-Application

This method applies for waterproofing below foundations and base slabs.
Prior to the installation of SikaBit® W-15, a layer of very smooth and solid cement concrete is required as a substrate. No standing water is allowed.
SikaBit® W-15 is then unrolled and aligned. The long edges of the membrane are overlapped by min. 80 mm and firmly pressed together using a roller.
The short edges of the membrane are overlapped in the same way. The overlaps need to be staggered.
After removal of the release liner a modified cement concrete screed is applied to all horizontal areas.

POST-Application

This method applies for waterproofing of walls and podium slabs.
Prior to the installation of SikaBit® W-15 the concrete needs to be saturated by water (use water hose). Any protrusions need to be removed and the concrete surface needs to be cleaned.
A bonding slurry SikaBit®-1 (with approximate of 2–3 kg/m^2) is applied to the substrate. Then the SikaBit® W-15 membrane is unrolled and pressed into the fresh slurry after removal of the release liner.
The long edges of the membrane are overlapped by min. 80 mm and firmly pressed together using a roller. The short edges of the membrane are overlapped in the same way. The overlaps need to be staggered.

Details

See method statement SikaBit® W System for detailing of corners, penetrations, pile heads etc.

IMPORTANT CONSIDERATIONS

Apply at temperatures above +15 °C only.
SikaBit® W-15 is not UV-stabilised and shall not be used on structures where it is permanently exposed to weathering.
The installed SikaBit® W-15 shall be protected against mechanical damage with a suitable protective layer.
It takes a few days for the bond strength between the membrane and the concrete substrate to fully develop. Manual testing of the bond-strength (cross-cut peel-off test) is recommended prior to back-filling es-

pecially in case of low ambient temperatures.

BASIS OF PRODUCT DATA

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

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.

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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 containing physical, ecological, toxicological and other safety-related 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.

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