

PRODUCT DATA SHEET

Sikalastic®-450 (i) TH

POLYURETHANE MODIFIED BITUMINOUS WATER BASE LIQUID APPLY MEMBRANE

DESCRIPTION

Sikalastic®-450 (i) TH is a ready to use, cold applied, single component, Polyurethane modified bitumen emulsion.

USES

- For waterproofing solution in both new construction and refurbishment project
- For the waterproofing of bathrooms, shower rooms, kitchen and balconies beneath hard protection, for example ceramic tiles
- Horizontal and vertical application

CHARACTERISTICS / ADVANTAGES

- Single component and cold applied
- Easy to use
- Environment friendly (water base)
- Compatible with cementitious tiling adhesive Sika-Ceram® Gold+

PRODUCT INFORMATION

Packaging	20 kg/drum
Colour	Black
Shelf life	12 months from the date of production If stored properly in undamaged, original, sealed packaging.
Storage conditions	Keep in undamaged and unopened original container and store at protected area from direct sunshine in dry condition at temperatures between +10°C and +30°C.
Density	1.2 ±0.02
Solid content	65% min.

TECHNICAL INFORMATION

Tensile Strength	>0.5 N/mm ²	(ASTM D412)
Elongation at Break	>700% approx.	(ASTM D412)

SYSTEMS

System Structure	Layer Thickness	1.0 mm
	Primer	1 part Sikalastic®-450 (i) TH + 1 part Water
	Base Coat	1 part Sikalastic®-450 (i) TH (Diluted with Water up to 20% Max.)
	Top Coat	1 part Sikalastic®-450 (i) TH (Diluted with Water up to 10% Max.)

APPLICATION INFORMATION

Substrate Pre-Treatment	New concrete should be cured for at least 28 days and should have a pull off strength $\geq 1.0 \text{ N/mm}^2$ (supported by test on site)
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Tack free time

Drying time	The drying time depends on the type of substrate, temperature, humidity and thickness of layer and etc.
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Applied Product Ready for Use	Primer	0.25 kg/m ² /coat
	Base Coat	0.50 kg/m ² /coat
	Top Coat	0.50 kg/m ² /coat

For higher performance fiber glass reinforcement can be applied between 2 coats of Sikalastic®-450 (i) TH.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

All surfaces should be sound, clean and free of contaminants. Absorbent surfaces e.g. concrete should preferably be dampened with water. In kitchens, toilets and other wet areas all the openings should be properly sealed. On all weak points and detailing such as cracks or around the pipes use a woven fiber glass mesh as reinforcement between the two coats of Sikalastic®-450 (i) TH.

APPLICATION

Sikalastic®-450 (i) TH can be applied by brush, roller or squeegee. Hot, dry or very porous substrate should be dampened with clean water prior to application of Sikalastic®-450 (i) TH. When two or more coats are required, ensure that the preceding coat is fully dry before applying the successive coat, which should be applied at right angle to preceding coat. Sikalastic®-450 (i) TH also acts as a non-degradable curing membrane hence it may be applied immediately after the removal of mould to the concrete structure which has no aesthetic value such as the sub structure of the building.

CLEANING OF EQUIPMENT

Sikalastic®-450 (i) TH Tools may be cleaned with water as long as the product is wet. Once dry by mechanical means only.

IMPORTANT CONSIDERATIONS

Can test the water after apply at least in 3 days
Can apply concrete topping after apply the product at least 3 days but should not more than 7 days.

Before apply the concrete topping need to cover all waterproofing area with the protective sheet as polythene sheet.

About the tiling work, recommend to do on "the concrete topping" before tiling work.

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

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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Product Data Sheet
Sikalastic®-450 (i) TH
March 2019, Version 02.01
020915205000000047

Sikalastic-450ITH-en-TH-(03-2019)-2-1.pdf