

PRODUCT DATA SHEET

Sika MonoTop®-109 WaterProofing

CEMENTITIOUS MORTAR FOR LOCALISED WATERPROOFING

DESCRIPTION

Sika MonoTop®-109 WaterProofing is a one-component cement based premixed mortar with brushable consistency.

USES

Sika MonoTop®-109 WaterProofing is particularly designed for waterproofing projects with manageable size such as basement walls, small ponds or tanks and below-ground structures.

CHARACTERISTICS / ADVANTAGES

- One-component product, just add water
- Good adhesion on various substrates
- Easy and fast application by brush
- Applicable directly on brick, concrete and foundations made of stone blocks

PRODUCT INFORMATION

Chemical base	Cement binder	
Packaging	5 kg aluminium bag packed in a cardboard box containing 4 units	
Appearance / Colour	Grey powder	
Shelf life	15 months	
Storage conditions	Store properly in undamaged original sealed packaging, in dry cool conditions.	
Density	Bulk	~1.25 kg/l
	Fresh mortar	~2.10 kg/l

TECHNICAL INFORMATION

Tensile Adhesion Strength	~0.5 MPa	(EN 1542)
Water Penetration under Pressure	No water penetration (1.5 bar for 7 days)	(EN 14891, A.7)
Water Penetration under Negative Pressure	No water penetration (2.50 bar for 72 hours)	(UNI 8298-8)

APPLICATION INFORMATION

Mixing ratio	1.25 liter of water per bag of 5 kg (25 % water)
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Consumption	~1.5 kg / m ² per mm of thickness
Layer Thickness	3 mm with constant thickness, applied in minimum 2 layers
Ambient Air Temperature	+5 °C minimum / +35 °C maximum
Substrate Temperature	+5 °C minimum / +35 °C maximum
Pot Life	~45 min at +20 °C
Waiting Time / Overcoating	7 days (at +23 °C and R.H. 50 %) for full service

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

The substrate must be sound, clean, free from dust, grease and loose material. The joints should be filled exposing the brick or stone blocks.

Before application, the surface must be thoroughly dampened, avoiding standing water.

Do not apply on plaster, plasterboard, anhydrite screeds, wood, surfaces treated with paints, coatings, plastic coatings, bitumen, surfaces with seepage or waterlogging

MIXING

Pour the water in the correct proportion into a suitable mixing container. Slowly add the powder and mix at least 3 minutes until achieving a homogenous consistency.

APPLICATION

The product can be applied with a stiff bristled brush, glue brushes, spatula or smooth trowel in 2 or 3 layers. To ensure a good penetration and bonding onto substrate, the first coat must be applied by brush.

The subsequent layer or layers can be applied either by brush (subsequent layers must be applied cross-wise) or spatula when the previous one has sufficiently dried (approx. 4–6 hours) and no later than 12 hours. In any case, the thickness should not exceed 4 mm.

CLEANING OF TOOLS

Removal of fresh remnants from tools and application equipment can be carried out using water immediately after use. Hardened / cured material can only be mechanically removed.

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. 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 Safety Data Sheet (SDS) 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.

Sika Hellas ABEE
15 Protomagias Str.
14568 Kryoneri
Attica-Greece
Tel.: +30 210 8160 600
Fax: +30 210 8160 606
www.sika.gr | sika@gr.sika.com



SikaMonoTop-109WaterProofing_en_GR_(05-2017)_1_1.pdf

Product Data Sheet
Sika MonoTop®-109 WaterProofing
May 2017, Version 01.01
020701010010000283