

PRODUCT DATA SHEET

SikaTop®-209 Réservoir

SYNTHETIC RESIN AND CEMENT BASED FLEXIBLE WATERPROOFING MICRO-MORTAR.

DESCRIPTION

SikaTop®-209 Réservoir is a pre-dosed micro-mortar composed of :

- Component A (emulsion resin)
- Component B (cement and special fillers)

After mixing, the kit gives a plastic consistency micro-mortar

USES

SikaTop®-209 Réservoir is a flexible waterproofing coating for tanks with potable or non potable water (tanks, ponds, pools, aqueducts...), whether they are above ground, buried or semi-buried, open or closed.

FEATURES

- Can be placed in contact with drinking water.
- Waterproofing.
- Good adhesion on concrete, mortar, stone and brick.
- Low elasticity modulus allowing micro-cracks bridging.
- Easy to use.

PRODUCT INFORMATION

Packaging	Pre-dosed kit of 38 kg including : <ul style="list-style-type: none"> ▪ Component A : 10 kg drum. ▪ Component B : 28 kg bag.
Shelf life	12 months.
Storage conditions	Store away from frost and humidity.
Appearance and colour	Grey and white.
Density	~ 1,8 kg/l

TECHNICAL INFORMATION

Crack bridging ability	28 days	After 3 months	of immersion
	+23°C	+23°C	+5°C
SikaTop®-209 Réservoir grey	1,5 mm	1,3 mm	0,7 mm
SikaTop®-209 Réservoir white	1,7 mm	0,9 mm	0,7 mm

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Tensile adhesion strength

	Adhesion at 28 days
SikaTop®-209 Réservoir grey	Greater or equal to 1 Mpa
SikaTop®-209 Réservoir white	Greater or equal to 1 Mpa

Water penetration under pressure No passing water under 1 MPa (100 m column of water).

Water penetration under negative pressure No passing water under 0,2 MPa (20 m column of water).

APPLICATION INFORMATION

Consumption	2.7 to 3.6 kg/m ² for two layers (for a total thickness of 1.5 to 2.0 mm), depending on substrate roughness.
Ambient air temperature	+5°C min. / +30°C max.
Substrate temperature	+5°C / +30°C

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.

IMPORTANT CONSIDERATIONS

For swimming pools, SikaTop®-209 Réservoir must be covered with tiles.

Do not use SikaTop®-209 Réservoir when :

- There is a risk of rain (in case of rain, stop work on the tank and protect the product with a polyethylene film for example),
- There is a risk of frost within 24 hours of application,
- The ambient humidity is very low (r.h. < 30%),
- There is a risk of condensation (appearance of pearls of water) on the substrate or on the first coat of SikaTop®-209 Réservoir,
- There is a risk or presence of wind, draught or of strong sunlight.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

SUBSTRATE QUALITY / PRE-TREATMENT

The substrates must be clean, sound, free of any non adhering parts, free of oil and grease and must have a surface cohesion minimum of 1 MPa. The surface condition of concrete walls must conform to the specifications of articles V.4.2.2. and XIV.1.2.1. of fascicule 74 of the CCTG.

In the case of very porous substrates, proceed before the application of the coating to the application of SikaTop® 121 Surfaçage as a pore filler.

Substrates with surface bubbles as defined in Appendix 5 of Fascicule 74 can be levelled with SikaTop®

121 Surfaçage.

Surface defects such as gravel nests, spalls, etc. must be repaired using SikaTop® 121 Surfaçage et SikaTop® 122 F Réparation.

Substrate must be wetted on the day before application of mortar and re-humidified the same day of the application. However, make sure that it is free of any water film at the moment of application of SikaTop®-209 Réservoir.

Refer to CCT n° 34

MIXING

Pour all component A into a clean wide necked container (bucket, full opening drum). Progressively add component B while mixing with an electric or pneumatic mixer at a high rotation speed (600 rpm) for 2 to 3 minutes for SikaTop®-209 Réservoir Grey, 5 minutes for SikaTop®-209 Réservoir White, until a homogeneous and uniformly coloured mortar is obtained.

APPLICATION

SikaTop®-209 Réservoir can be applied with a brush, roller, or by spraying with equipment such as SABLON S3 from SULLAIR, SP5 from PUTZMEISTER, TURBOSOL T7 distributed by IMER France, N2V and PFT, ...

Two layers are necessary :

Apply the second layer as soon as the first starts to set (4 to 6 h at + 20°C).

Beware of the condensation phenomenon that can occur on the first layer.

The surface may be finished by smoothing with a brush.

After application, SikaTop®-209 Réservoir must be protected from sunlight and wind.

CLEANING OF EQUIPMENT

With water before mortar hardening.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product

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may vary from country to country. Consult the local Product Data Sheet for 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.

