

PRODUCT DATA SHEET

SikaTop[®]-144 id

PROTECTIVE COATING

DESCRIPTION

2 components, pre-dosed, ready for use coating material based on polymer modified cementitious material.

USES

- Use on grade, above and below grade on concrete, masonry and mortar
- Use on horizontal, vertical and overhead surfaces, both interior and exterior
- Use as coating over newly repaired concrete to provide a monolithic/uniform appearance
- Use as a protective coating for waterproofing, damp-proofing and improved resistance to weathering
- Use to coat the backside of architectural curtain wall panels to prevent water intrusion from the outside

CHARACTERISTICS / ADVANTAGES

- Easy to mix
- Easy to apply with brush, roller, or spray gun
- Applicable also at high air humidity.
- Superior adhesion
- Excellent weather resistance
- Good waterproofing effect at low water pressure
- Good vapour permeability
- Does not create a vapour barrier
- Resistant to de-icing salt
- Applicable on tanks for drinking water in accordance with the Food Sanitation Laws

PRODUCT INFORMATION

Packaging	20 kg set		
Appearance / Colour	Light Grey		
Shelf Life	9 months from the date of production when undamaged and unopened original container.		
Storage Conditions	Store in dry condition		
Density	Comp. A:	~1.02	Milky White Liquid
	Comp. B:	~1.20	Grey or White Powder
	Comp. A+B:	~1.70	Paintlike

APPLICATION INFORMATION

Mixing Ratio	A : B = 7 : 10	(by weight)
Consumption	For 2 coats approx.. 700 g/m ²	(+25 °C/ 75% rH)
Pot Life	Minimum 90 minutes	(+25 °C/ 75% rH)
Tack Free Time	Approx. 30 min (consumption of 350 gr/m ²)	
Recoat Time	Allow 2 hours minimum between coats	

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

All surfaces to be coated must be clean, sound and saturated surface dry with no standing water at the time of application.

Remove all dust, laitance, grease, oils, curing compounds, waxes, impregnation and other contaminants. Should substrate require repair, patch with appropriate Sika MonoTop or SikaTop series repair system. Preparation work must be done by mechanical equipment, i.e. blast cleaning, water blasting, or a combination of the two.

MIXING

Pour half of component A (liquid) into a suitable mixing vessel Add all of component B (powder), mix and stir until it becomes uniform slurry Add rest of component A (liquid), mix and stir again. Be sure to scrap down sides of the mixing container at this time. All mixing must be done mechanically using a low-speed drill (400-600 rpm) and using suitable mixing paddle.

APPLICATION

Coating

SikaTop 144 id is to be coated evenly with brush, roller (sponge) or special spray equipment in 2 coats. Consumption is about 350 gr/m² per coat.

Surface should be saturated surface dry prior to application. Two coats are recommended for maximum performance.

Apply thoroughly mixed coating generously with loaded brush or roller. Always finish off with light strokes blending back into coated area for uniform appearance. For application in direct sun or on a hot substrate, pre-wet surface and allow surface water to dissipate before coating.

CLEANING OF TOOLS

Clean all tools with water immediately after use.

LIMITATIONS

- Minimum application temperature 5 °C
- Maximum consumption per coat is 600 g/m²
- Use mixed SikaTop 144 id within its pot life
- Protect freshly coated surfaces from water
- For spray application, coating must be screened prior loading to spray hopper
- Coating may chalks and show water marks due to weathering or if exposed to uneven wetting
- For application where coating will be subjected to immersion, a 3-day cure is recommended
- Coating will slightly yellow with age and exposure to UV light
- As with all cement based materials, avoid contact with aluminium to prevent adverse chemical reaction and possible product failure

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

Please note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data and uses.

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.

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