

**Technical Data Sheet**  
 Edition 1, 2004  
 Identification no.  
 02 03 02 04 005 0 000019  
 Version no. 00011  
**Sikatop®144**

# SikaTop® 144

## Protective Coating

|                              |   |
|------------------------------|---|
| <b>Description</b>           | 2 components, pre-dosed, ready for use coating material based on polymer modified cementitious material.  |
| <b>Use</b>                   | <ul style="list-style-type: none"> <li>■ Use on grade, above and below grade on concrete, masonry and mortar</li> <li>■ Use on horizontal, vertical and overhead surfaces, both interior and exterior</li> <li>■ Use as coating over newly repaired concrete to provide a monolithic/uniform appearance</li> <li>■ Use as a protective coating for waterproofing, damp-proofing and improved resistance to weathering</li> <li>■ Use to coat the backside of architectural curtain wall panels to prevent water intrusion from the outside</li> </ul>                           |
| <b>Advantages</b>            | <ul style="list-style-type: none"> <li>■ Easy to mix</li> <li>■ Easy to apply with brush, roller, or spray gun</li> <li>■ Applicable also at high air humidity.</li> <li>■ Superior adhesion</li> <li>■ Excellent weather resistance</li> <li>■ Good waterproofing effect at low water pressure</li> <li>■ Good vapour permeability</li> <li>■ Does not create a vapour barrier</li> <li>■ Resistant to de-icing salt</li> <li>■ Applicable on tanks for drinking water in accordance with the Food Sanitation Laws</li> </ul>  |
| <b>Application</b>           |   |
| <b>Substrate Preparation</b> | All surfaces to be coated must be clean, sound and saturated surface dry with no standing water at the time of application.<br>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.  |
| <b>Mixing</b>                | Pour half of component A (liquid) into a suitable mixing vessel<br>Add all of component B (powder), mix and stir until it becomes uniform slurry<br>Add rest of component A (liquid), mix and stir again. Be sure to scrap down sides of the mixing container at this time.<br>All mixing must be done mechanically using a low-speed drill (400-600 rpm) and using suitable mixing paddle.   |
| <b>Coating</b>               | SikaTop 144 is to be coated evenly with brush, roller (sponge) or special spray equipment in 2 coats. Consumptions is about 350 gr/m <sup>2</sup> per coat.<br>Surface should be saturated surface dry prior to application. Two coats are recommended for maximum performance.<br>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. |



[Table of Contents](#)

## Product Data

|            |  |
|------------|--|
| Colour     | Light Grey   |
| Shelf life | 9 months shelf life if stored in unopened original containers in dry condition |
| Packaging  | 20 kg set  |

## Technical Data

|                  |            |        |                      |
|------------------|------------|--------|----------------------|
| Specific Gravity | Comp. A:   | ~ 1.02 | Milky White liquid   |
|                  | Comp. B:   | ~ 1.20 | Grey or White Powder |
|                  | Comp. A+B: | ~ 1.70 | Paintlike            |

Mixing Ratio A : B = 7 : 10 (by weight)

Consumption for 2 coats approx. 700 g/m<sup>2</sup>

Pot Life  
(25 °C, 75 % rH) Minimum 90 minutes

Tack Free Time  
(25 °C, 75 % rH) Approx. 30 min (consumption of 350 gr/m<sup>2</sup>)

Recoat Time  
(25 °C, 75 % rH) Allow 2 hours minimum between coats

Cleaning of tools Clean all tools with water immediately after use.

## Important

- Minimum application temperature 5°C
- Maximum consumption per coat is 600 g/m<sup>2</sup>
- Use mixed SikaTop 144 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

## Handling Precautions:

- Avoid contact with skin & eyes
- Wear protective gloves and eye protection during work
- If skin contact occurs, wash skin thoroughly
- If in eyes open and flood with warm water. Seek medical attention without delay.
- A full Material Data Sheet is available from Sika on request.

## 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 product 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.



**PT. Sika Indonesia**  
 Jl. Raya Cibinong- Bekasi km. 20  
 Limusnunggal- Cileungsi  
 BOGOR 16820 - Indonesia  
 Tel. +62 21 8230025  
 Fax +62 21 8230026  
 Website : [www.sika.co.id](http://www.sika.co.id)  
 e-mail: [sikacare@id.sika.com](mailto:sikacare@id.sika.com)

**Branches**  
**Surabaya :**  
 Puri Niaga Blok G No. 29, Jl. Raya Rungkut Menanggal 11, Surabaya  
 Tel : 031-8690202 ; Fax : 031-8682123  
**Medan :**  
 Jl. Pancing / Jl. Willem Iskandar No.75 & 75 A, Kec. Medan Tembung  
 Tel : 061- 6619500; Fax : (061) 6619400  
**Batam :**  
 Jl. Laksamana Bintan, Komp. Bumi Riau Makmur Blok E No.3, Sungai Panas  
 Tel : (0778) 424928; Fax : (0778) 450189

