

# Product Data Sheet

## SikaTop<sup>®</sup>-77 Adhesive Emulsion



**Description** SikaTop-77 is a water and oil resistant emulsion for adding to cement mortars and floor toppings where greatly improved properties are required.

**Uses** SikaTop-77 is a high quality emulsion that substantially increases the quality of cement mortars for:

- Grouting
- Rendering
- Floor screeds
- Concrete repair
- Linings

**Advantages** SikaTop-77 is simply added to the mixing water to provide the following properties:

- Extremely good adhesion
- Reduced shrinkage
- Greater elasticity
- Excellent oil and water resistance
- Increased abrasion resistance
- Improved chemical resistance
- Higher mechanical strengths
- Chloride free
- Ready for use

## Technical Data

<b>Type</b>	Acrylic Resin Dispersion
<b>Colour</b>	White
<b>Specific density</b>	1.03 kg/l
<b>Storage</b>	Store free from frost.
<b>Shelf life</b>	18 months from date of production if stored properly in original unopened packing.
<b>Packaging</b>	30 kg drums 200 kg drums

## Application

**Coverage** Added to the mixing water within the range of 1:1 - 1:4 depending on application.

**Substrate** Concrete surfaces should be clean, sound, free from oil, grease, cement laitance and all loosely adhering particles.

**Mixing** Add to the mixing water prior to its addition to the dry mixed aggregates and mix for at least 90 seconds until the desired consistency is achieved.

**Important** Minimum application temperature +5°C.

**Mixing ratio and consumption**

Use	Gauging solution SikaTop : water	Dry mix cement : sand	Sand grade mm depending on coat thickness	Consumption kg/m <sup>2</sup> per cm coat thickness
Bondcoat for rendering, levelling mortar, floor screeds	1 : 1	1 : 1	0 - 4 max.	2.3 - 3.0
Patching/levelling mortar - coat less than 10 mm - coat more than 10 mm	1 : 1 1 : 2	1 : 1 to 1 : 3 1 : 3	0 - 6 max. 0 - 6 max.	1.1 - 2.3 0.7 - 1.0
Floor screeds and subscreeds, wear-resistant screeds heavy wear normal wear	1 : 1 to 1 : 2 1 : 2 to 1 : 4	1 : 2 to 1 : 3 1 : 2 to 1 : 3	0 - 8 max. 0 - 8 max.	0.7 - 1.9 0.4 - 1.3
Rendering with hydraulic lime mortar rendering of insulating board	1 : 2 to 1 : 4 1 : 2	1 : 2.5 to 1 : 4 1 : 3	0 - 3 to 0 - 8 0 - 3 to 0 - 8	0.3 - 1.1 0.7 - 1.0
Smooth finishing coats, levelling mortar (exposed concrete)	1 : 2 to 1 : 3	1 : 2	0 - 1	0.7 - 1.3
Mortar levelling coats	1 : 3 to 1 : 4	1 : 1.5 to 1 : 2	0 - 8	0.6 - 1.1
Adhesive and jointing mortar - rigid joints (brickwork) - wall and floor panels - insulating and light weight panels	1 : 2 1 : 2 1 : 1	1 : 3 1 : 3 1 : 2	0 - 2 0 - 2 0 - 2	0.7 - 1.0 0.7 - 1.0 1.4 - 1.9
Additive to cement and lime paints	1 : 1	1 : 3	0 - 2	1.4 - 1.9
Grouting mix	1 : 1	Cement	-	-
Pouring mix	1 : 3	1 : 1.5	Fine sand	-

## Safety Instructions

**Safety precautions** Contact with skin, eyes or mucous membrane may cause irritation.  
Wear gloves and goggles.

**Ecology** Do not dispose of into water or soil but according to local regulations.

**Toxicity** Non-toxic under the relevant Swiss Health and Safety Codes.

**Transport** Non-hazardous.

**In case of doubt, always follow the directions given on the pack or label.**

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 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.



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