

Sika Top® -77

Adhesive Emulsion

Product Description

Sika Top® -77 is a water and oil resistant emulsion for adding to cement mortars and floor toppings where greatly improved properties are required.

Uses

Sika Top® -77 is a high quality emulsion that substantially increases the quality of cement mortars for:

- Grouting.
- Rendering
- Floor screeds.
- Concrete repair.
- Linings
- Tile fixation.

Advantages

Sika Top® -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

Type Acrylic Resin Dispersion.

Colour White.

Density 1.03 ± 0.01 kg/l

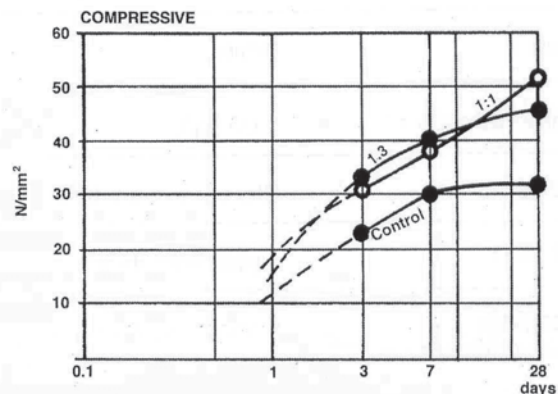
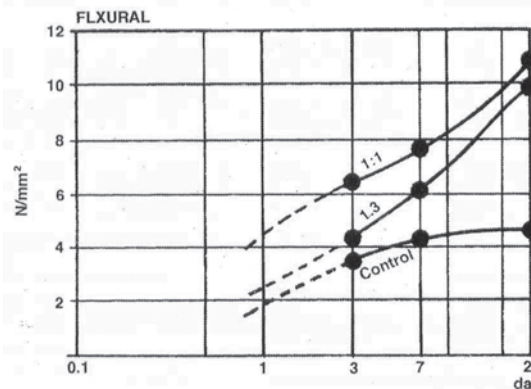
Packaging 5 and 20 kg Pails
200 kg Drums

Storage Store free from frost

Shelf life 12 month from date of production if stored properly in original unopened packing.

Development of Strengths Tests carried out on a 1:3, cement-sand mortar; without Sika Top® -77 and with Sika Top® -77 diluted 1:1 and 1:3 with water.

All mixes produced workability and cured at 20°C & 65% R.H.



Application

Consumption

Added to the mixing within the range of 1: 1 - 1: 4 depending on application

Mixing Ratio and Consumption

Use	Gauging Solution Sika Top® -77: water	Dry mix cement : sand	Sand grade mm depending on coat thickness	Consumption kg/m ² 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 sub-screeds 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	-

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 Note

Minimum application temperature + 5°C.

Safety Instructions

Ecology

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

Transport

Non-hazardous.

Safety Precautions

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

Toxicity

Non-Toxic under relevant health and safety codes.

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.

