

SikaTop®-121

Polymer modified patching and adhesive mortar

Construction

Product Description

SikaTop®-121 is a two part cement based polymer modified trowelable paste, adhesive and filling compound for the protection and repair of concrete and metal surfaces.

Uses

SikaTop®-121 is a versatile material that can be employed to carry out the following functions:

- Filling compound to level off irregularities and fill blowholes and fine honeycombs
- Adhesive for floor and wall tiles
- Rendering for reservoirs
- Bonding mortar between new and old concrete
- Protective coating against de-icing salts for bridge parapets, retaining walls, etc.

Characteristics / Advantages

SikaTop®-121 is an economical and easy to use material offering the following beneficial properties:

- Easy to mix and apply
- Good mechanical strengths
- Excellent adhesion
- High resistance to de-icing salts
- Waterproof
- Suitable for drinking water contact
- Non-toxic

Product Data

Form

Appearance / Colour	■ Part A	Milky white liquid
	■ Part B	Grey powder

Packaging	25 kg sets
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Storage

Storage Conditions / Shelf Life	6 months from the date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions. Protect from direct sunlight.
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Technical Data

Density Mixed ~ 2.0 kg/ltr

Resistance

Fire Resistance Fire rating, Classified A1 - SikaTop®-121 will not contribute in any state of the fire including the fully developed fire (EN 13501-1).

Mechanical / Physical Properties

Compressive Strength > 40 N/mm² (28 days / +20°C)

Flexural Strength 10 – 14 N/mm² (28 days / +20°C)

Bond Strength ■ To concrete ~ 3.0 N/mm² (28 days / +20°C)
 ■ To ceramic ~ 0.3 N/mm² (28 days / +20°C)

System Information

Application Details

Coverage ~ 2.15 kg/m² per 1 mm thickness.

Substrate Preparation Concrete, stone and masonry surfaces should be clean, sound, and free from oil, grease and all loosely adhering particles.
Absorbent surfaces should be thoroughly saturated with clean water but free from any surface water or puddles prior to application of SikaTop®-121.
Metal surfaces (iron and steel) should be free from scale, rust, oil and grease.

Application Instructions

Mix Ratio Part A : B = 1:4 or 1:5 parts by weight (depending on required consistency).

Mixing Place the full contents of part A in a suitable container. Add part B and mix with a low speed drill (less than 500 rpm) and stir for 3 minutes until a smooth, even consistency product is achieved.
When used as a filling compound, use only 80 – 90% of part A depending on the required consistency.
Note: Normal cement mixers (example tilting drum) are not suitable.

Application Method / Tools *Tile Adhesive*
When using as a tile adhesive or bonding agent, apply to the desired thickness with a notched trowel. For tiling, press the tiles firmly into place whilst the adhesive is still wet.
Bonding Agent
When using SikaTop®-121 as a bonding agent to be rendered later, work wet on wet with subsequent coats.
Filler
When using as a filler, apply with a spatula or trowel to desired profile and finish smooth.

Cleaning of Tools Clean all tools and application equipment with water immediately after use. Hardened and/or cured material can only be mechanically removed.

Notes on Application / Limitations Minimum application temperature is +8°C.
Maximum thickness per coat is 5 mm.

Curing Details

Curing Treat exposed surfaces with Antisol®-E curing compound or use other approved curing methods.

Value Base All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

Health and Safety Information For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet (available upon request) containing physical, ecological, toxicological and other safety-related data.

Legal Note 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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