

PRODUCT DATA SHEET

SikaTop[®]-121

Thixotropic, Polymer Modified Patching and Adhesive Mortar

DESCRIPTION

SikaTop[®]-121 is a two-component cement based, polymer modified, trowelable adhesive and filling compound for the protection and repair of concrete and Metal surfaces.

USES

Sika Top[®]-121 is a versatile material that can be employed to carry out the following functions:

- Protective Coating for bridge parapets retaining walls, etc., against deicing salts.
- 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.

CHARACTERISTICS / ADVANTAGES

Sika Top[®]-121 is an economical and easy to use material offering the following properties:

- Easy to mix and apply.
- Good mechanical strength.
- Excellent adhesion.
- High resistance to de-icing salts.
- Non Toxic when fully cured.
- Resistant to city sewage medium.
- Also available as Sika Top[®]-121 SR

PRODUCT INFORMATION

Packaging	25 kg set (A+B)
Shelf life	12 months from date of production if stored properly in original unopened packing
Storage conditions	1. Comp. (A) must be protected from frost and sunlight. 2. Comp. (B) must be protected from moisture and sunlight, off the ground.
Appearance and colour	Grey
Density	Comp. (A): 1.02 kg/l Comp. (B): 1.25 kg/l Comp. (A+B): 2.00 kg/l (mixed)

TECHNICAL INFORMATION

Compressive strength	~ 40 N/mm ² after 28 days ;20° C	EN 196-1
Tensile strength in flexure	~10–14 N/mm ² after 28 days ;20° C	
Tensile adhesion strength	Bond strength to concrete Bond strength to ceramic.	~ 3 N/mm ² (concrete failure). ~ 3 N/mm ²

SYSTEM INFORMATION

System structure	Coverage	2 kg/m ² per mm thickness.
	Surface preparation	Concrete, stone and masonry surfaces should be clean, free from oil, grease and all loosely adhering particles. Metal surfaces (iron and steel) should be free from scale, rust, oil and grease. Absorbent surfaces should be saturated thoroughly.

APPLICATION INFORMATION

Mixing ratio	Parts by weights comp (A: B) = 1:4 or 1: 5 (depending on required consistency)
Layer thickness	maximum 5 mm Per Layer

BASIS OF PRODUCT DATA

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.

ECOLOGY, HEALTH AND SAFETY

Safety Instructions

- **Ecology**
In liquid state product will contaminate water.
Do not dispose of into water or soil, but according to local regulations
- **Transport**
Non-hazardous.
- **Safety Precautions**
Wear protective clothing (gloves, goggles) if material comes into contact with eyes or mucous membrane, rinse with warm water, seek medical attention.
- **Toxicity**
Non-Toxic under relevant health and safety codes.

APPLICATION INSTRUCTIONS

MIXING

- Both components are pre measured for use as an adhesive. Place the full contents of Comp. (A) in a suitable mixing container.
- Add Comp. (B) and mix for 3 minutes until a smooth, even consistency is achieved.
- When using as a filling compound use only 80 or 90% of Comp. (A) depending on the required consistency.

APPLICATION

- When used as tile adhesive or bonding agent, apply to the desired thickness, with a notched trowel. For tiling, press the tiles firmly into place while the adhesive is still wet.
- When using as a bonding agent to be rendered later, allow to harden first. When using as a filler apply with a spatula or trowel to desired profile and finish.

CURING TREATMENT

Use approved curing methods, like Antisol® -E curing compound, etc.

CLEANING OF EQUIPMENT

Clean all tools and equipment with clean water immediately after use. Hardened material can only be removed mechanically.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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