

PRODUCT DATA SHEET

SikaTop[®]-121 MY

Polymer modified patching and adhesive mortar

DESCRIPTION

SikaTop[®]-121 MY 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 MY is a versatile material that can be utilised 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

CHARACTERISTICS / ADVANTAGES

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

- Easy to mix and apply
- Good mechanical strengths
- Excellent adhesion
- Waterproof
- Non-toxic

PRODUCT INFORMATION

Packaging	Part A	5 kg can
	Part B	20 kg bag
Appearance / Colour	Part A	Milky white liquid
	Part B	Grey powder
Shelf Life	6 months from the date of production	
Storage Conditions	Store properly in original, unopened and undamaged sealed packaging in dry conditions. Protect from direct sunlight, rain and water.	

TECHNICAL INFORMATION

Compressive Strength	> 35 N/mm ² (at 28 days)	(EN 196-1)
Tensile Strength in Flexure	> 10 N/mm ² (at 28 days)	(EN 196-1)
Tensile Adhesion Strength	To Concrete	~1.5 N/mm ² (at 28 days, concrete failure) (EN 1542)

APPLICATION INFORMATION

Mixing Ratio	Part A : Part B = 1:4 or 1:5 parts by weight (depending on required consistency)
Fresh Mortar Density	~2.0 kg/l
Consumption	~2.15 kg/m ² per 1 mm thickness
Layer Thickness	Maximum thickness per coat is 5 mm.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

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 MY. Metal surfaces (iron and steel) should be free from scale, rust, oil and grease.

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

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 MY 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.

CURING TREATMENT

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

CLEANING OF TOOLS

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

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FURTHER INFORMATION

- SikaTop®-121 MY should be applied under shed and protected from direct sunlight, rain and water for 24 hours.
- When using SikaTop®-121 MY as bonding agent, wet-on-wet application is recommended.

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.

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.

ECOLOGY, HEALTH AND SAFETY

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

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.

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