

SikaTop® -121

Polymer Modified Patching and Adhesive Mortar

Product Description	SikaTop®-121 is a 2-component cement based, polymer modified, trowelable adhesive and filling compound for the protection and repair of concrete surfaces. Suitable for use in tropical and hot climatic conditions.
Uses	SikaTop®-121 is a versatile material that can be employed to carry out the following functions: <ul style="list-style-type: none">■ Protective coating for bridge parapets, retaining walls etc.■ Filling compound to level off irregularities and to fill blowholes and fine honeycombing■ Adhesive for floor and wall tiles■ Rendering for reservoirs
Advantages	SikaTop®-121 is an economical and easy to use material offering the following properties: <ul style="list-style-type: none">■ Pre-measured units■ User friendly■ Good mechanical strengths■ Excellent adhesion■ High resistance to chloride salts■ Waterproof■ Non-toxic.
Test Report	WRC, Water Byelaws Scheme, BS 6920, UK DWI, Drinking Water Inspectorate, approval for use in contact with drinking water, UK
Product Data	
Type	Cementitious powder, polymer dispersion
Form	Comp. A: White Liquid Comp. B: Grey Powder
Packaging	25 kg set (A+B)
Storage Condition	Store in a dry area between 5°C and 35°C. Protect from direct sunlight
Shelf life	12 months minimum from production date if stored properly in original unopened packaging.
Technical Data	
Mixing ratio	A : B = 1 : 4 - 5 pbw, depending on required consistency
Pot life	Approximately 45 minutes at 30°C
Density	Fresh mortar - Approximately 2.00 kg/lt



Mechanical Strengths (28 day)	Compressive strength	25 -30 N/mm ²
	Flexural strength	5-7 N/mm ²
	Adhesion	> 2 N/mm ² on concrete and ceramic
Thickness	Minimum 2.0 mm	Maximum 5.0 mm per application
Yield	12.5 litres per 25 kg set	
Coverage	2 kg/m ² per mm thickness	
Temperature	Minimum 5°C	Maximum 40°C (substrate)
Application Details		
Substrate preparation	<p>Concrete, mortar and masonry</p> <p>Surfaces must be clean, sound, free from grease, oil and loosely adhering particles. Use suitable mechanical methods such as abrasive blast cleaning, high pressure water jetting at sufficient pressure and volume, scabbling, needle gunning-. "New" or smooth faced concrete surfaces should be sand-blasted. All surfaces must be as true and flat as possible. Blowholes and irregularities should be filled with suitable SikaTop / Monotop products.</p> <p>Saturate absorbent concrete surfaces thoroughly with water to achieve a surface saturated dry condition.</p>	
Mixing	<p>Both components are pre-measured for use as a protective coating, or rendering job. Place the full contents of Component A in a suitable mixing container. Add Component B and mix for 3 minutes until a smooth, even consistency is achieved.</p> <p>When using as a filling compound or adhesive, use only 80 or 90 % of Component A, depending on the required consistency.</p>	
Application	<p>When using as a tile adhesive apply to the desired thickness by means of a notched trowel. Press the tiles firmly with a twisty action into place whilst the adhesive is still wet. When using as a filler, apply with a spatula or trowel to desired profile and finish.</p>	
Curing	<p>Where ambient conditions may lead to rapid surface drying, the use of light water fogging for 48 hours, hessian or suitable water based curing compound is recommended. Do not commence fogging until final set has been reached.</p>	
Cleaning	<p>Application and mixing tools should be cleaned with water while material is still fresh. Hardened material can only be removed mechanically.</p>	
Remarks	<ul style="list-style-type: none"> ■ Do not add water for mixing! ■ At ambient temperatures above 35°C, SikaTop®-121 components A & B should be stored in the shade or conditioned at room temperature. 	
Notes	<p>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.</p>	
Safety	<p>For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.</p>	

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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