

Technical Data Sheet
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 SikaTop® 121

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Polymer Modified, Patching and Adhesive Mortar

Description	A thixotropic, two component cement based polymer modified troweable adhesive and filling compound for the protection and repair concrete surfaces.
Use	<ul style="list-style-type: none"> ■ Protective coating for bridge parapets retaining walls ■ Filling compound to level of irregularities and fill blowholes and fine honey combings. ■ Bonding mortar between new and old concrete ■ Rendering for reservoirs.
Advantages	<ul style="list-style-type: none"> ■ Easy to mix and apply ■ Excellent adhesion ■ Good mechanical strength ■ Increase resistance to salt water, chlorides and carbonation ■ Waterproof ■ Non corrosive to steel, non flammable. ■ Non toxic ■ High abrasion resistance
Coverage	2.1 kg/m ² per mm thickness
Instruction For Use	
Surface Preparation	Remove all deteriorated concrete, dirt, oil, grease and all bond-inhibiting. Surface preparation should be done by scabblor or other appropriate mechanical means to obtain an aggregate-fractured surface. Substrate should be saturated surface dry (SSD) with no standing water during application.
Mixing	Pour approximately 4/5 of Component 'A' into mixing container. Add Component 'B' while continuing to mix. Mix to a uniform consistency, for 3 minutes. Add remaining Component 'A' to mix if a greater consistency is desired. Use a mechanically powered low speed drill (400 – 600 rpm) with mixing paddle or appropriately sized mortar mixer.
Application	<p>As a patching mortar. Apply with spatula or trowel to desire profile and smooth finish.</p> <p>As a bonding agent Apply with a notched trowel When using as bonding agent to be rendered later, allow to harden first</p> <p>As a tile adhesive Apply to the desired thickness with a notched trowel. Press the tiles firmly into place while the adhesive is still wet.</p>
Curing	Use approved curing methods, like Antisol curing compound etc.
Limitations	Maximum thickness per application : 5 mm Variation in cement could cause shade differences in colour of the mortar.

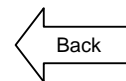


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Form	A: Liquid B: Powder
Color	Concrete Grey
Mixing Ratio	Comp. A : B = 1: 5 by weight
Mixing Density	Approx. 2.1 kg/l
Pot life 30°C	25 minutes
Flexural Strength (ASTM C-348)	28 days 45 – 65 kg/cm ²
Bond Strength to concrete	28 days ≥15 kg/cm ² (concrete failure)
Compressive Strength (ASTM C-109)	3 days 250 kg/ cm ² 7 days 300 kg/ cm ² 28 days 420 kg/ cm ²
Shelf life	9 months when unopened
Storage	Dry, cool, shaded place
Packaging	25 kg set

Handling

Precautions:

- Avoid contact with skin and eyes
- Wear protective gloves and eye protection during work
- If skin contact occurs, wash skin thoroughly
- If in eyes, hold eyes open, flood with warm water and seek medical attention without delay.

Legal Notes

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