**SikaTop® 121**

Polymer Modified, Patching and Adhesive Mortar

**Description**
A thixotropic, two component cement based polymer modified trowable adhesive and filling compound for the protection and repair concrete surfaces.

**Use**
- Protective coating for bridge parapets retaining walls
- Filling compound to level of irregularities and fill blowholes and fine honey comings.
- Bonding mortar between new and old concrete
- Rendering for reservoirs.

**Advantages**
- 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/m² 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 scabbler 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**
- **As a patching mortar.**
  Apply with spatula or trowel to desire profile and smooth finish.

  - **As a bonding agent**
    Apply with a notched trowel
    When using as bonding agent to be rendered later, allow to harden first

  - **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.

**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.
## Technical Data

<table>
<thead>
<tr>
<th></th>
<th>A: Liquid</th>
<th>B: Powder</th>
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<tbody>
<tr>
<td><strong>Color</strong></td>
<td>Concrete Grey</td>
<td></td>
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<tr>
<td><strong>Mixing Ratio</strong></td>
<td>Comp. A : B = 1: 5 by weight</td>
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<tr>
<td><strong>Mixing Density</strong></td>
<td>Approx. 2.1 kg/l</td>
<td></td>
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<tr>
<td><strong>Pot life 30°C</strong></td>
<td>25 minutes</td>
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<tr>
<td><strong>Flexural Strength</strong></td>
<td>45 – 65 kg/cm²</td>
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<tr>
<td>(ASTM C-348) 28 days</td>
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<tr>
<td><strong>Bond Strength to concrete</strong></td>
<td>≥15 kg/cm² (concrete failure)</td>
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<tr>
<td>28 days</td>
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<tr>
<td><strong>Compressive Strength</strong></td>
<td>250 kg/cm²</td>
<td>300 kg/cm²</td>
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<tr>
<td>(ASTM C-109) 3 days</td>
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<tr>
<td>7 days</td>
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<tr>
<td>28 days</td>
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<tr>
<td><strong>Shelf life</strong></td>
<td>9 months when unopened</td>
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<tr>
<td><strong>Storage</strong></td>
<td>Dry, cool, shaded place</td>
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<tr>
<td><strong>Packaging</strong></td>
<td>25 kg set</td>
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</tbody>
</table>

### 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

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 product 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.