# SikaTop® 122

## Fiber Reinforce, Polymer Modified Repair Mortar

### Description
A cement based polymer, two component repair mortar with added polyamide fibres, to form a high strength repair and levelling mortar for concrete.

### Use
As an economical and easy to use concrete repair mortar, suitable for:
- Bridges.
- Water Retaining structures
- Making good damaged edges and joint arises.
- Repairing honeycombing
- Concrete repair in general

### Advantages
- Easy to mix and apply
- Excellent adhesion
- Good mechanical strength
- Good water and oil resistance
- Increase resistance to salt water, chlorides and carbonation
- Non toxic and non flammable
- High abrasion resistance

### Coverage
2.2 kg/m² per mm thickness

### Instruction For Use

#### Surface Preparation
Removed all deteriorated concrete, dirt, oil, grease and all bond-inhibiting. Preparation work should be done by scabller 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 greater consistency desired. Use a mechanically powered low speed drill (400 – 600 rpm) with mixing paddle or appropriate sized mortar mixer.

#### Application
Apply with spatula or trowel to required profile
For large repairs use SikaTop 121 as bond –coat.

#### Curing
Use approved curing methods, like Antisol curing compound etc.

### Limitations
- Maximum thickness per application : 20 mm
- Variation in cement could cause shade differences in colour of the mortar.

### Technical Data

<table>
<thead>
<tr>
<th>Form</th>
<th>A: Liquid</th>
<th>B: Powder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Concrete Grey</td>
<td></td>
</tr>
<tr>
<td>Mixing Ratio</td>
<td>Comp. A:B = 1: 6.3 by weight</td>
<td></td>
</tr>
<tr>
<td>Mixing Density</td>
<td>Approx. 2.2 kg/ltr</td>
<td></td>
</tr>
<tr>
<td>Pot life 30°C</td>
<td>25 minutes</td>
<td></td>
</tr>
</tbody>
</table>

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Table of contents
<table>
<thead>
<tr>
<th>Property</th>
<th>28 days</th>
<th>3 days</th>
<th>7 days</th>
<th>28 days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flexural Strength (ASTM C-348)</td>
<td>50 – 70 kg/cm²</td>
<td></td>
<td></td>
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<tr>
<td>Bond Strength to concrete (concrete failure)</td>
<td>≥15 kg/cm²</td>
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<tr>
<td>Compressive Strength (ASTM C-109)</td>
<td>350 kg/cm², 400 kg/cm², 520 kg/cm²</td>
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<tr>
<td>Shelf life</td>
<td>9 months when unopened</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Storage</td>
<td>Dry, cool, shaded place</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Packaging</td>
<td>30 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.