

# Sika MonoTop<sup>®</sup> -620 Panel Patch

## Fine cement based fairing coat

Construction

<b>Description</b>	Sika MonoTop-620 Panel Patch is a fine cementitious polymer modified mortar for use as a finishing and protective top coat for concrete repair patches.
<b>Uses</b>	<p>As a thin layer fairing or sealing skim coat to concrete, mortar patches and screeds, in vertical, horizontal and overhead applications.</p> <p>Restores the appearance of honeycombed or surface impaired concrete caused by faulty formwork. Provides a continuous dense and smooth surface that will allow protective and other architectural coatings to be applied free of pin holes.</p> <p>As a thin skin protective seal coat to concrete where the reinforcement is susceptible to corrosion.</p> <p>As a repair and reprofiling mortar for concrete joint edges, corner fillets etc.</p> <p>For use in conjunction with the Sika MonoTop concrete repair system:</p> <ul style="list-style-type: none"> <li>• Sika MonoTop-610 Bonding Mortar Protection.</li> <li>• Sika MonoTop-615 HB Patching Mortar.</li> <li>• Sika MonoTop-620 Panel Patch Fairing Coat.</li> </ul>
<b>Advantages</b>	<ul style="list-style-type: none"> <li>• One component system requires only the addition of water.</li> <li>• Easily applied and worked.</li> <li>• Adjustable consistency to suit application.</li> <li>• High mechanical strengths.</li> <li>• Excellent bonding to substrate.</li> <li>• Frost resistant.</li> <li>• Protective barrier against reinforcement corrosion.</li> <li>• Non toxic.</li> </ul>
<b>Storage and Shelf Life</b>	Stored in the original sealed packaging in dry conditions, this product will keep for at least nine (9) months.
<b>Instructions for Use</b>	
<b>Surface Preparation</b>	<p>Correct and thorough surface preparation is essential to achieve the high adhesive qualities of Sika MonoTop mortars.</p> <p>All surfaces must be clean, sound and free from dust, ice, oils, grease or other surface contaminants such as curing membranes and form release agents, etc.</p> <p><i>Concrete, Mortar, Stone:</i> Mechanically abrade the surface with a needle gun, mechanical wire brush, grind, grit or water blast. All surface laitance must be removed.</p> <p>The strength of the concrete or mortar substrate should be at least 20 MPa.</p>
<b>Mixing</b>	<p>Sika MonoTop-620 Panel Patch should be mechanically mixed in a forced action mixer or in a clean drum using a drill and spiral mixer at a speed of approximately 200 rpm. Mixing time should be at least 3 minutes until a smooth consistency of uniform colour and texture is achieved.</p> <p>Pour 80% of the recommended water content into the mixing vessel. Add the powder slowly while continuing to mix. After all the powder lumps are dispersed add the remaining water. If Sika MonoTop-620 Panel Patch begins to stiffen within a few minutes of mixing, it may be necessary to remix the mortar to regain a smooth, workable mix.</p>

<b>Application</b>	Sika MonoTop-620 Panel Patch must be applied by trowel. Best results are obtained when the substrate and ambient temperatures are falling. The addition of water to the surface to obtain the desired finish is not recommended as this may cause colour variations and surface cracking.
<b>Application Thickness</b>	Typically, the product is placed at 30-50 mm in thickness. Application thickness varies depending on the consistency and orientation of the void.
<b>Cleaning</b>	Remove soft Sika MonoTop-620 Panel Patch from tools and equipment with water. Hardened material can only be removed mechanically.
<b>Technical Data (Typical)</b>	
<b>Form</b>	Smooth, paste like mortar
<b>Density (mixed)</b>	Approx 850 kg/m <sup>3</sup>
<b>Mixing ratio</b>	Water : Powder 1 to 2 by volume depending on required consistency. To one bag of Sika MonoTop-620 Panel Patch add 4.2 to 4.4 litres of water.
<b>Potlife at 20°C</b>	120 minutes approx.
<b>Application temperature</b>	+5°C - +35°C ( <i>substrate and ambient temperatures</i> ) +5°C - +25°C ( <i>mortar temperature</i> )
<b>Compressive strength</b>	Approx 5-10 MPa at 28 days
<b>Colour</b>	Light Grey
<b>Consumption/Coverage</b>	Approx 1kg/m <sup>2</sup> per mm thickness ( <i>dependent on surface profile, texture, temperature, loss and wastage</i> )
<b>Packaging</b>	12 kg bag
<b>Important Notes</b>	<ul style="list-style-type: none"> <li>• Application <ul style="list-style-type: none"> <li>- apply only to clean, sound substrates</li> <li>- large blowholes and very rough surfaces should be pre-filled</li> </ul> </li> <li>• Mixing <ul style="list-style-type: none"> <li>- Sika MonoTop-620 Panel Patch has various uses while may necessitate adjusting the consistency slightly to better suit the particular application.</li> </ul> </li> <li>• Limitations <ul style="list-style-type: none"> <li>- Sika MonoTop-620 Panel Patch should not be used in temperatures lower than 5°C</li> <li>- Application should not take place when rainfall is occurring or is likely to occur (unless sheltered or protected).</li> <li>- Do not expose the Sika MonoTop-620 Panel Patch to running water during and after application, until it has hardened.</li> <li>- Sika MonoTop-620 Panel Patch does not bridge moving cracks.</li> <li>- The material is not suitable for use as an adhesive for ceramic tiles.</li> </ul> </li> </ul>
<b>Handling Precautions</b>	<ul style="list-style-type: none"> <li>• Avoid contact with the skin.</li> <li>• Protective gloves and clothing are recommended when mixing or using this product.</li> <li>• A full material safety data sheet is available from Sika on request.</li> </ul>

**Important Notification**

The information, and, in particular, the recommendations relating to the application and end-use of Sika's 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 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 proprietary rights of third parties must be observed. All orders are accepted subject of our terms and conditions of sale. Users should always refer to the most recent issue of the Australian version of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.

