



PRODUCT DATA SHEET

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RESURFACING OF CAST-IN-PLACE CONCRETE

Sika MonoTop®-721 Sack&Patch

PATCHING AND REPROFILING ECONOMICAL MORTAR

Description	Sika MonoTop®-721 Sack&Patch is a fast setting, one component, durable mortar for patching and sacking vertical concrete surfaces.																										
Where to Use	<ul style="list-style-type: none"> ▪ Concrete wall and structures. ▪ Tilt-up panels, precast concrete, cast in place concrete, concrete block and masonry elements. ▪ To fill honeycombs, bugholes, pin holes and other imperfections. ▪ For interior and exterior usage. 																										
Advantages	<ul style="list-style-type: none"> ▪ Excellent concrete pore filler. ▪ Smooth consistency, extremely easy to apply. ▪ Recommended as a base layer for coatings. ▪ Good bond strength. ▪ Feather edge to 15 mm (5/8 in). ▪ Easy to use, just add water. ▪ Provide a smooth and flexible surface that can accept the structure movement. 																										
<p>Technical Data</p> <table border="0"> <tr> <td>Packaging</td> <td>22.7 kg (50 lb) bag</td> </tr> <tr> <td>Colour</td> <td>Light Concrete Grey</td> </tr> <tr> <td>Yield</td> <td>3 mm thick = 4.63 m² (50 ft²); 12 mm thick = 1.2 m² (13 ft²)</td> </tr> <tr> <td>Shelf Life</td> <td>12 months in its original, unopened bag. Store dry at temperatures between 5 and 32 °C (41 and 89 °F) ensuring that product is not exposed to rain, condensation or high humidity. For best results, condition product at temperatures between 18 and 24 °C (65 and 75 °F) before using.</td> </tr> <tr> <td>Mix Ratio</td> <td>Start mixing with clean potable water at rate of between 3.6 and 4 L (0.95 and 1.06 US gal.) per bag. Do not exceed 4 L (1.06 US gal.) of water per bag.</td> </tr> <tr> <td colspan="2">Properties at 23 °C (73 °F) and 50 % R.H.</td> </tr> <tr> <td colspan="2">Compressive Strength ASTM C109, MPa (psi)</td> </tr> <tr> <td>24 hours</td> <td>7 (1015)</td> </tr> <tr> <td>28 days</td> <td>22 (3190)</td> </tr> <tr> <td>Density ASTM C185</td> <td>1850 kg/m³ (115 lb/ft³)</td> </tr> <tr> <td>Initial set</td> <td>180 - 220 minutes</td> </tr> <tr> <td>VOC Content</td> <td>0 g/L</td> </tr> <tr> <td>Chemical Resistance</td> <td>Consult Sika Canada</td> </tr> </table> <p><i>Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.</i></p>		Packaging	22.7 kg (50 lb) bag	Colour	Light Concrete Grey	Yield	3 mm thick = 4.63 m ² (50 ft ²); 12 mm thick = 1.2 m ² (13 ft ²)	Shelf Life	12 months in its original, unopened bag. Store dry at temperatures between 5 and 32 °C (41 and 89 °F) ensuring that product is not exposed to rain, condensation or high humidity. For best results, condition product at temperatures between 18 and 24 °C (65 and 75 °F) before using.	Mix Ratio	Start mixing with clean potable water at rate of between 3.6 and 4 L (0.95 and 1.06 US gal.) per bag. Do not exceed 4 L (1.06 US gal.) of water per bag.	Properties at 23 °C (73 °F) and 50 % R.H.		Compressive Strength ASTM C109, MPa (psi)		24 hours	7 (1015)	28 days	22 (3190)	Density ASTM C185	1850 kg/m ³ (115 lb/ft ³)	Initial set	180 - 220 minutes	VOC Content	0 g/L	Chemical Resistance	Consult Sika Canada
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HOW TO USE																											
Surface Preparation	Concrete / Mortar: Remove all deteriorated concrete, dirt, oil, grease, and all bond-inhibiting materials from substrate. Preparation work should be done by high pressure water blast, scabbler or other appropriate mechanical means to obtain an exposed aggregate surface profile exceeding 1.5 mm (1/16 in) (CSP 4 - 5, as per ICRI). After preparation, substrate strength should be verified prior to patch placement. Substrate should be dry or saturated surface dry (SSD) with no standing water before application.																										
Mixing	Wet down all tools and mixer to be used. Mix mechanically with a low-speed drill (400 - 600 rpm) fitted with a mixing paddle. Mix to a uniform consistency for a maximum of three (3) minutes. Start mixing with 3.6 to 4 L (0.95 to 1.06 US gal.) of water per 22.7 kg (50 lb) bag. Adjust the water dosage, if necessary, to achieve the desired consistency. DO NOT EXCEED 4 L (1.06 US gal.). Over-watering may result in difficulty handling and/or not meeting stated property values. Do not retemper material. Clean bucket and mixing equipment between batches.																										

Application	Sika MonoTop®-721 Sack&Patch should be applied in a single coat to a thickness ranging from feather edge to 15 mm (5/8 in). Typical working time of the product is one (1) hour at 23 °C (73 °F). Working time will vary depending on application temperature. In high temperature work environments, cold water should be used to increase working time. Overcoating: Depending on curing and drying conditions, Sika MonoTop®-721 Sack&Patch may be coated with Sikagard® Color A-50 Lo-VOC or Sikagard®-550 W Elastic (moisture content must be below 4 % prior or as coating products requirement).
Tooling and Finishing	Once material is in place, as the material hardens, use a trowel to shave or cut the excess material to the desired shape. Material can be sanded the next day when curing temperature is around 23 °C (73 °F).
Clean Up	Clean all tools and equipment after use with water. Once hardened, the product can only be removed mechanically. Wash soiled hands and skin thoroughly in hot soapy water or use Sika® Hand Cleaner towels.
Limitations	<ul style="list-style-type: none"> ▪ Minimum application thickness: featheredge. ▪ Maximum layer thickness: 15 mm (5/8 in). ▪ Minimum ambient and substrate temperature 7 °C (44 °F) and rising at time of application. ▪ Protect the freshly applied mortar from freezing for a minimal period of 24 hours. ▪ Storage is particularly important, it is essential to protect bagged material from exposure to rain, condensation and high humidity as moisture may penetrate the bag, causing lumps and rendering the product unusable.
Health and Safety Information	For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent SAFETY DATA SHEET containing physical, ecological, toxicological and other safety-related data.

KEEP OUT OF REACH OF CHILDREN
FOR INDUSTRIAL USE ONLY

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, within their shelflife. 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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: www.sika.ca

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Certified ISO 14001 (CERT-0102791)

