

PRODUCT DATA SHEET

Sika MonoTop®-612 PK

Fiber Reinforced, Polymer Modified Repair Mortar

DESCRIPTION

Sika MonoTop®-612 PK is a cementitious, silica fume containing, fibre reinforced polymer modified one-component repair mortar. Suitable for use in hot and tropical climatic conditions.

USES

Sika MonoTop®-612 PK is used for structural concrete repairs as well as general patching to concrete and mortars. Sika MonoTop®-612 PK is especially suited for overhead and vertical applications and is suitable for application by the wet-spray method.

CHARACTERISTICS / ADVANTAGES

- Easy to use, just add water
- Excellent workability
- Adjustable consistency
- Especially suitable for overhead and vertical applications
- Good mechanical strengths
- Excellent frost resistance
- Applicable in layers up to 30 mm thickness
- Noncorrosive, non-toxic
- Suitable for wet spray application
- Sulphate resistant

PRODUCT INFORMATION

Chemical Base	Cementitious, polymer composition
Packaging	25 kg bag
Shelf Life	06 months from date of production
Storage Conditions	Store properly in undamaged original sealed packaging, in dry cool condition between +5 °C and +35 °C. Protect from direct sunlight, heat and moisture
Appearance / Colour	Grey powder

TECHNICAL INFORMATION

Compressive Strength	40 – 50 N/mm ² (28 Days)
----------------------	-------------------------------------

APPLICATION INFORMATION

Mixing Ratio	Add 13 -16% water to the dry mix (3.25 - 4.0 litre of water per 25 kg bag)
Fresh mortar density	2.10 kg/ltr approximately
Layer Thickness	Minimum 5 mm

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LIMITATIONS

Sika MonoTop®-612 PK should not be used at temperatures below 5°C. At ambient temperatures above 35°C, the material should be stored in the shade and chilled water should be used for mixing. Sika MonoTop®-612 PK may be over coated with Sikagard Elast-oColor W, Sikagard-680 S, Sikagard-550 W Elastic and all Sika Rep and MonoTop products. Use of aluminum tools & equipments is strongly not recommended.

ECOLOGY HEALTH AND SAFETY

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Substrate must be clean, sound, free from dust, loose particles, cement laitance, curing compounds, oil, grease or any other contamination. Metal surfaces (steel and iron) should be free from scale, rust, oil and grease. Pre-wet substrate to a saturated surface dry condition prior to application. Avoid puddles and standing water.

MIXING

Pour clean, cold water in the given quantity into a clean mixing container. Add powder while mixing continuously. Slow speed SS paddle mixer (maximum 500 rpm) should be used for mixing (aluminum paddle is strongly not recommended). By adding the powder slowly in portions, the desired application consistency can be obtained.

APPLICATION

A bonding agent, such as Sika MonoTop-610 or SikaTop Armatec 110 EpoCem is highly recommended. Apply Sika MonoTop®-612 PK while the bonding agent is still wet. Sika MonoTop®-612 PK can be applied by wet-spray equipment such as Putzmeister, Melomat, Vario-Jet etc. The mortar can also be applied by spatula or trowel. For thickness greater than 30 mm Sika MonoTop®-612 PK Sika MonoTop®-612 PK must be applied in several layers. As soon as the mortar has started to set it can be smoothed by wooden or synthetic float, styrofoam block or sponge. For a very fine surface finish, Sika MonoTop-620 / 625 can be applied over the Sika MonoTop®-612 PK.

CURING TREATMENT

Where ambient conditions may lead to rapid surface drying, the use of light water fogging for 48 hours or a suitable water based curing compound (Sika Antisol E) is recommended. Do not commence fogging until final set has been reached.

CLEANING OF TOOLS

Application and mixing tools should be cleaned with water immediately after use while the material is still fresh. Hardened material can only be removed mechanically.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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 products 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

Sika Pakistan (Pvt.) Limited

141-CCA Phase IV, DHA
Lahore Punjab 54792
Pakistan
phone: +92 42 3569 4266 - 67
fax: +92 42 3569 4268
<http://pak.sika.com/>

PRODUCT DATA SHEET

Sika MonoTop®-612 PK
October 2023, Version 01.02
020302040030000509