

PRODUCT DATA SHEET

Sika MonoTop[®]-612 F

READY-FOR-MIXING, FIBRE-CONTAINING SHORT SETTING TIME REPAIR MORTAR

DESCRIPTION

Sika MonoTop[®]-612 F is a single-component mortar based on cement, special fillers, fibres and admixtures.

USES

Sika MonoTop[®]-612 F is used for the repair of concrete over great lengths (nosing of balconies, fascias, beams, ...).

FEATURES

- Sika MonoTop[®]-612 F is applied in a single pass in a layer 4 to 60 mm thick.
- Fully adheres on most substrates (concrete, mortar, stone, brick).
- Contains fibres that improve the mortar cohesion and reduce the risks of cracking due to shrinkage.
- Short setting time even at low temperature.
- Provides a “ready for painting” aspect after 24 hours at 20°C.

CERTIFICATES AND TEST REPORTS

Sika MonoTop 612 F performance is in compliance with EN 1504-3 as class 3 (R3) repair mortar.

PRODUCT INFORMATION

Packaging	25 kg bag
Shelf life	12months from production date.
Storage conditions	The product must be stored in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between 5°C and 35°C. Protect from direct sunlight.
Appearance and colour	Grey Powder
Maximum grain size	0.8 mm

Density

Powder density: 1,300 kg/m³ (untapped) Fresh mortar density: about 2,100 kg/m³

TECHNICAL INFORMATION**Compressive strength**ACCORDING TO EN 12190

1day	7days	28days
>10MPa	>30MPa	>40MPa

Flexural toughnessACCORDING TO EN 196-1

1day	7days	28days
>3MPa	>6MPa	>7MPa

Pull-out resistance

Adhesion to concrete ≥1.5 MPa according to EN 1542

Consumption

It depends on the substrate roughness and on the thickness of the layer applied.
A one-litre capacity to be filled needs the use of 2 kg of mortar (about 1.8 kg of Sika MonoTop®-612 F + 0.3 litre of water).

Ambient air temperature

From 5° C to 30° C

Substrate temperature

+5° C minimum, +30° C maximum

BASIS OF PRODUCT DATA

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

IMPORTANT CONSIDERATIONS

Same handling as for a cement mortar.
Avoid any contact with the skin and the eyes.
Do not inhale the dust.

ECOLOGY, HEALTH AND SAFETY**APPLICATION INSTRUCTIONS****EQUIPMENT**

Traditional trowel and plastering trowel.

SUBSTRATE QUALITY / PRE-TREATMENT

The substrate must be sound, cohesive and free of any loose particles; they must be free of traces of oil, grease, ...

The steels must be brushed and freed from rust particles and then protected with Sika MonoTop®-612 F AC corrosion inhibitor.

The substrate must be wetted before Sika MonoTop®-612 F is applied but there must be no water dripping on the substrate.

MIXING

Sika MonoTop®-612 F is mixed with water to the required consistency. As an indication, the quantity of mixing water is about 0,75 litre/5 kg of powder.

Pot life for 5 kg of powder and 0.75 litre of water.

at 5°C	at 20°C	at 30°C
30 to 40 minutes	20 to 25 minutes	8 to 10 minutes

Prepare only the quantity of product that can be used within the pot life time.

APPLICATION

Sika MonoTop®-612 F is applied in a layer 3 to 60 mm thick/pass using a traditional trowel or a plastering trowel.

The surface can be smoothed using the plastic trowel, a sponge or polystyrene as soon as the mortar starts drawing.

Sika MonoTop®-612 F must be protected against freezing, wind and sun during setting and hardening like any hydraulic mortar.

CLEANING OF EQUIPMENT

With water immediately after utilisation.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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.

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PRODUCT DATA SHEET

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