

# PRODUCT DATA SHEET

## Sika MonoTop®-110 QuickFix

### QUICK SETTING READY-TO-USE MORTAR

#### PRODUCT DESCRIPTION

Sika MonoTop®-110 QuickFix is a 1-component fast setting ready-to-use mortar based on cementitious binder and selected aggregates, designed as a fixing mortar characterized by the early strength development

#### USES

Sika MonoTop®-110 QuickFix has been specially designed for all those works where a rapid setting mortar is needed, e.g:

- Fixing posts, railings, brackets, hinges etc
- Quick repair of broken/ damaged concrete (small areas only)
- Securing anchors, expansion bolts, pipes etc
- Installation of door and window frames
- Fixing of metal supports

#### CHARACTERISTICS / ADVANTAGES

- Setting after a few minutes
- Practical package also suitable for small works
- Excellent setting even in the presence of moisture
- Suitable to paint once the material is cured
- Simple to mix, easy to work
- Bonds to most common building materials
- Sets in 1-3 minutes, hardened in a matter of hours

#### PRODUCT INFORMATION

Chemical Base	Cement, selected aggregates and additives
Packaging	5kg bags
Appearance / Colour	Grey powder
Shelf Life	12 months
Storage Conditions	Store properly in undamaged original sealed packaging, in dry cool conditions.
Density	Fresh mortar density ~1.8 kg/l

#### TECHNICAL INFORMATION

Compressive Strength	Time	Strength	(EN 196-1)
	After 3 hours	~ 6 MPa	
	After 28 days	~ 24 MPa	

## APPLICATION INFORMATION

<b>Mixing Ratio</b>	0.95 to 1.05 litres of water for 5 kg of powder. 19 % – 21 % of water by weight of powder
<b>Consumption</b>	This depends on the substrate roughness and thickness of layer applied. As a guide, ~20 kg of powder per cm thick per m <sup>2</sup> .
<b>Yield</b>	5 kg of powder yields approximately 3.36 litres of mortar.
<b>Ambient Air Temperature</b>	+5 °C minimum; +30 °C maximum
<b>Substrate Temperature</b>	+5 °C minimum; +30 °C maximum
<b>Pot Life</b>	~1–2 minutes at +23 °C and 50 % r.h. This time is approximate and will be affected by changing environmental conditions and application details.
<b>Setting Time</b>	~2–3 minutes at +23 °C and 50 % r.h. This time is approximate and will be affected by changing environmental conditions and application details.
<b>Applied Product Ready for Use</b>	~2 hours at +23 °C and 50 % r.h. This time is approximate and will be affected by changing environmental conditions and application details.

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY / PRE-TREATMENT

The substrate must be sound and free from dust, dirt, loose material, surface contamination as oil or grease, cement laitance. De-laminated, weak, damaged and deteriorated concrete shall be removed by suitable means.

Surfaces shall be prepared using mechanical cleaning techniques.

### MIXING

Sika MonoTop®-110 QuickFix can be mixed with a low speed hand drill mixer. In small quantity the Product can also be manually mixed.

Pour the recommended water in a suitable mixing container. While stirring slowly, add the powder to the water and mix thoroughly. Add additional water during mixing if necessary to the maximum specified amount and adjust to the required consistency.

Make sure to only mix the amount of product that can be placed within 2–3 minutes.

### APPLICATION

Thoroughly pre-wet the prepared substrate. Before the application of the mortar, remove the excess of water with a clean sponge. The surface shall appear a dark matt appearance without glistening and surface pores and pits shall not contain water.

Apply the Sika MonoTop®-110 QuickFix with a trowel or spatula. It has to be placed fast in the void to fill, exerting a good pressure between the substrate and the element to fix in order to ensure a good adhesion on both substrates. Hold the object to fix in place until the mortar starts setting and is able to withstand the loads.

### CURING TREATMENT

Protect the fresh mortar immediately from premature drying using an appropriate curing method e.g. curing compound, moist geotextile membrane, polythene sheet, etc.

### CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened material can only be mechanically removed.

### LIMITATIONS

- With warm temperatures (25 °C – 30 °C) use cold water to keep an acceptable working time
- With cold temperatures (5 °C – 8 °C) use warm water to accelerate the setting time of the mortar
- Mix the amount of product that can be placed within 2–3 minutes
- Apply only to sound, prepared substrate
- Do not add water over the recommended dosage
- Do not add water to the mortar after the setting has started
- Do not add additional water during the surface finishing as this will cause discolouration and cracking
- Avoid application in direct sun and/ or strong wind
- Protect freshly applied material from freezing

### VALUE BASE

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

## 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 the exact product data and uses.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

## 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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