

PRODUCT DATA SHEET

Sika MonoTop®-110 QuickFix

QUICK SETTING READY-TO-USE MORTAR

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 of brackets, plugs, shelves, pipes
- installation of armored doors and windows
- anchoring of stakes, trellises, poles, fences

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
- Good adhesion to metal

PRODUCT INFORMATION

Composition	Cement, selected aggregates and additives
Packaging	5 kg aluminium bags packed in a cardboard box containing 4 units
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

Mixing Ratio	0.95 to 1.05 litres of water for 5 kg of powder. 19 % – 21 % of water by weight of powder
Consumption	This depends on the substrate roughness and thickness of layer applied. As a guide, ~20 kg of powder per cm thick per m ² .
Yield	5 kg of powder yields approximately 3.36 litres of mortar.
Ambient Air Temperature	+5 °C minimum; +30 °C maximum
Substrate Temperature	+5 °C minimum; +30 °C maximum
Pot Life	~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.
Setting Time	~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.
Applied Product Ready for Use	~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 EQUIPMENT

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

IMPORTANT CONSIDERATIONS

- 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

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.

LOCAL RESTRICTIONS

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

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

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

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