BUILDING TRUST

PRODUCT DATA SHEET

SikaTop®-122 F & Concentrat

PRE-DOSED HYDRAULIC MORTAR FOR CONCRETE REPAIR

DESCRIPTION

Pre-dosed mortar including : Component A (emulsion resin), Component B (cement and special fillers) After mixing, a dark gray mortar is obtained. Complies with the requirements of NF EN 1504-3 class R3.

USES

- Repairing concrete on structures exposed to the marine environment or de-icing salts
- Repairs to spalling on columns, walls, balusters, parapets, edge beams, etc...
- Repair of joint lips, stairs,beam corners

FEATURES

- Safe to use: pre-dosed product.
- Simple preparation and application.
- Rapid build-up of strength and high final resistance.
- Cohesion and limitation of shrinkage effects improved by the presence of synthetic fibers.
- Excellent adhesion to most substrates (concrete, mortar, stone, brick, etc.).
- Waterproof.
- Insensitive to freeze-thaw cycles and de-icing salts.
- High protective power for steels.
- Safe to handle

PRODUCT INFORMATION

Composition	▪ Component A: synthetic emulsion resin ▪ Component B: cement and special fillers
Packaging	35 kg kit including: ▪ Component A: 5 kg plastic drum. ▪ Component B: 30 kg bag.
Shelf life	12 months in undamaged original packaging, protected from heat and moisture
Storage conditions	The product is stored in intact packaging, protected from frost and moisture.
Maximum grain size	2 mm

TECHNICAL INFORMATION

Resistance to impact	Repeated impact resistance after freeze-thaw cycles in accordance with NF P 18.857 1 / 3: no visible cracks or delamination.	
Compressive strength	T°	28 d
	20°	Greater or equal to 10 Mpa
Flexural-strength	T°	28 d
	20°	Greater or equal to 10 Mpa
Tensile adhesion strength	≥ 1,5 MPa.	

APPLICATION INFORMATION

Consumption	Depends on the nature and roughness of the substrate and the thickness of the coat applied. Filling a 1-liter cavity requires the use of approx. 2.1 kg SikaTop®-122 F & Concentrat				
Layer thickness	From 5 to 30 mm.				
Ambient air temperature	Between 5° and 35° C				
Substrate temperature	Between 5° and 35° C				
Open Time	T°	5 2 to 3 h	10 1 to 2 h	20 60 min	30 20 to 25 min
Fresh mortar density	approx. 2.1.				

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.

ECOLOGY, HEALTH AND SAFETY

APPLICATION INSTRUCTIONS

EQUIPMENT

Float, trowel, expanded polystyrene, spraying equipment, low-speed electric or pneumatic agitator.

SUBSTRATE QUALITY / PRE-TREATMENT

- The concrete must be clean, dust free, clear of all non adhering parts, free from oil and grease. Mechanical preparation (sanding or stripping), in order to remove all traces of form oil, old coating or laitance, non adhering parts or parts that could be prejudicial to adhesion.It must have a surface cohesion of at least 1 MPa.
- Steels will be brushed or, better still, sandblasted to remove rust, then coated with SIKA MONOTOP 1010 N passivation product.
- The substrate is moistened a day before application. It is moistened again on the day of application. However, make sure that it is not sweating and free from any film of water during the application.

MIXING

- SikaTop®-122 F & Concentrat is supplied pre-dosed at the factory. Pour all of component A (emulsion resin) into a clean, wide-mouth container (bucket, open-top drum). Gradually add all of component B (powder) while mixing with an electric or pneumatic agitator at low speed (approx. 200 rpm).
- Mixing can also be carried out with a vertical shaft mixer.
- Mixing should continue for at least 2 minutes until a uniformly colored, thixotropic mortar is obtained.

APPLICATION

- Apply with a float or trowel, using traditional methods. As soon as the mortar begins to pull, it may be necessary to resurface with a float or expanded polystyrene.
- SikaTop®-122 F & Concentrat can also be applied mechanically by spraying.

CURING TREATMENT

After installation, SikaTop®-122 F & Concentrat, like all hydraulic mortars, must be protected from frost, wind and sunlight during the curing period.

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.