

SikaTop® 122 F

Fibre Reinforced, Polymer Modified Repair Mortar

Product Description

SikaTop®-122 F is a cementitious, polymer modified, 2-component repair mortar with added polyamide fibres. When mixed together, the components react to form a high strength repair and levelling mortar for concrete. Suitable for use in tropical and hot climatic conditions.

Uses

SikaTop®-122 F is used as an economical and easy to use concrete repair mortar, suitable for:

- Repairs to basements, slabs, water tanks and swimming pools etc.
- Making good damaged edges
- Repairing honeycombing and concrete repair in general

Advantages

SikaTop®-122 F provides the following beneficial properties:

- Rapid strength gain
- Good water and oil resistance
- High final strengths
- High abrasion resistance
- Good adhesion
- Non toxic - suitable for contact with drinking water

Test Report

WRC, Water Byelaws Scheme, (BS 6920), UK
DWI, Drinking Water Inspectorate approval for contact with potable water, UK

Product Data

Type	Cementitious powder, polymer dispersion	
Form	Component A:	White Liquid
	Component B:	Grey Powder
Packaging	35 kg set (A+B)	
Storage Condition	Store in a dry area between 5°C and 35°C. Protect from direct sunlight	
Shelf life	12 months minimum from production date if stored properly in original unopened packaging	

Technical Data

Mixing ratio	Component A : B = 1: 6 (5kg of liquid A + 30kg of powder B)	
Pot life (30°C)	Approximately 15 minutes	
Density	Approximately 2.00 kg/ltr (Fresh mortar)	
Mechanical strengths (28 days),	Compressive strength	40 - 45 N/mm ²
	Flexural strength	12 - 15 N/mm ²
	Adhesion	> 2.0 N/mm ² (concrete failure)



Modulus of elasticity (static)	Approximately 20'000 N/mm ²
Co-efficient of thermal expansion	Approximately 14.10 ⁻⁶ m/m per °C
Index of H₂O vapour diffusion	μH ₂ O - approximately 500
Index of CO₂ diffusion	μCO ₂ - approximately 40,000
Yield	Approximately 17.5 litres per 35 kg set
Layer Thickness	Minimum 10 mm, Maximum 20 mm per application
Temperature	Minimum 8°C, Maximum 40°C (substrate)
Application Details	
Substrate preparation	Substrate must be 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 rust, scale, oil and grease. Pre-wet substrate to a saturated surface dry condition (SSD) prior to application. Avoid puddles and standing water.
Mixing	Stir component A (liquid) thoroughly before pouring into a clean mixing container. Add component B (powder) slowly while mixing continuously. Use low speed electric mixers (maximum: 500 rpm) for 3 minutes avoiding entrapment of air. By adding the powder in portions, the desired application consistency can be obtained.
Application	Use Sika MonoTop-610, SikaTop Armatec 110 EC or a slurry made from SikaTop®-122 F (A:B = 1:3 by volume) as a bonding agent. While the bonding agent is still wet, apply SikaTop®-122 F to a maximum thickness of 20 mm and compact by trowel. For a thickness greater than 20 mm, apply 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, SikaRep Fine or Sika Monotop-625 can be applied over the SikaTop®-122 F .
Curing	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	Application and mixing tools should be cleaned with water while material is still fresh. Hardened material can only be removed mechanically.
Remarks	■ Do not add water for mixing! ■ Sika Monotop-612 is the equivalent 1-component repair mortar. ■ At ambient temperatures above 35°C, SikaTop®-122 F components A & B should be stored in an airconditioned shed. ■ SikaTop®-122 F may be overcoated with Sikagard ElastoColor W, Sikagard-680 S, Sikagard-550 W Elastic and all SikaRep and MonoTop products.
Notes	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.

Safety

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet 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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