

PRODUCT DATA SHEET

SikaTop®-122

Polymer Modified Repair Mortar

DESCRIPTION

A cement based, polymer modified, two component repair mortar. When mixed together, the components react to form a high strength repair and levelling mortar for concrete.

USES

Sika Top® -122 is used as an economical and easy to use concrete repair mortar suitable for:

- Channels.
- Water retaining structures.
- Making good damaged edges and joint arises.
- Repairing honeycombing.

CHARACTERISTICS / ADVANTAGES

Sika Top® -122 provides the following beneficial properties:

- Rapid strength gain.
- Good water and oil resistance.
- High mechanical strengths.
- High resistance to frost and de-icing.
- High abrasion resistance.
- Non Toxic.
- Residential sewage- Resistance.
- Good adhesion.
- Also available: Sika Top® -122SR (Containing sulphate resistant cement).

PRODUCT INFORMATION

Composition	Cement, synthetic fibers, selected aggregates and additives
Packaging	30 kg Units (Comp.A+B)
Shelf life	12 months when unopened. When stored off the ground free of moisture and humidity.
Storage conditions	Comp (A) free from frost Comp (B) Protect from moisture
Appearance and colour	Grey Comp. (A): Liquid. Comp. (B): Powder.
Density	Comp. (A+B) = 2.2 kg/l

TECHNICAL INFORMATION

Compressive strength	~40 N/mm ² after 28 days	EN 196-1
Tensile strength in flexure	9 ± 1 N/mm ² after 28 days at +25 °C	
Coefficient of thermal expansion	14.10 ⁻⁶ per °c.	
Diffusion resistance to water vapour	~ 500	

SYSTEM INFORMATION

System structure

Coverage

Approx. 2.2 kg per 1 liter mortar.

Surface preparation

Concrete, mortar and stone surfaces must be clean, free from laitance, oil, grease and loosely adhering particles.

Metal surfaces (steel and iron) should be free from scale, rust, oil and grease. Saturate absorbent surfaces thoroughly.

APPLICATION INFORMATION

Mixing ratio

Comp A : B = 1 : 6 Parts by weights.

Waiting time to overcoating

- Minimum working temperature is 8 °C.
 - Minimum coat thickness = 3 mm.
 - Maximum coat thickness = 20 mm.
 - Greater thickness can be achieved by adding clean coarse sand or working in layers
-

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.

ECOLOGY, HEALTH AND SAFETY

Safety Instructions

- **Ecology**
In liquid state product will contaminate water. Do not dispose of into water or soil but according to local regulations.
- **Transport**
Non-hazardous.
- **Safety**
Wear protective clothing (gloves, goggles), if eyes or mucous membrane come into contact with material, rinse with warm water and seek medical advice.
- **Toxicity**
Non-Toxic under relevant health and safety codes.

APPLICATION INSTRUCTIONS

MIXING

Place the full contents of Comp. (A) (liquid) in a suitable mixing container. Stirring slowly and thoroughly, add all of Comp. (B) and mix for approx. 3 minutes until a smooth consistency is achieved.

APPLICATION

- Whilst the substrate is still damp work the mortar vigorously into the surface. For large repairs use a mixture of (A) and (B) (approx. 1: 3 by volume) in slurry consistency as a primer or Sika Top® -121 as a bond-coat. Exposed reinforce steels use Armatec® -110. Afterwards apply the repair mortar by trowel to required profile.

- Also available: Sika Top® -122SR (Containing sulphate resistant cement).

CURING TREATMENT

Use approved curing methods, like Antisol-E® curing compound, etc.

CLEANING OF EQUIPMENT

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

LOCAL RESTRICTIONS

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

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

Sika Egypt

1st Industrial Zone (A)
Section #10, Block 13035
El Obour City, Egypt
TEL: +202 44810580
FAX: +202 44810459
egy.sika.com



Product Data Sheet

SikaTop®-122

April 2022, Version 01.02
020302040070000018