

PRODUCT DATA SHEET

SikaTop[®]-121 Surfacing

TWO-COMPONENT SURFACING AND REPAIR MORTAR

DESCRIPTION

SikaTop[®]-121 Surfacing is a pre-dosed mortar composed of:

- Component A (emulsion resin)
- Component B (cement and special fillers)

After mixing, we obtain a fine and thixotropic grey or white mortar.

USES

For preparation of foundations

- Pore filling before painting.
- General surfacing before applying paint, epoxy or polyurethane resins.

For thin thickness repairs

- Building and civil engineering works : repairing of up-stands, balconies, columns, walls.

FEATURES

- Easy to prepare and use: pre-dosed product.
- Easy to apply thanks to its excellent workability and thixotropic consistency.
- Rapid increase of strength and high final mechanical resistance.
- Excellent adhesion to most substrates (concrete, mortar, stone, brick).
- Waterproof.
- Insensitive to freeze-thaw cycles and de-icing salts.
- Presents a "ready-to-paint" finished appearance.

PRODUCT INFORMATION

Composition	Mortar based on cement and polymers
Packaging	Kit of 10.7 kg in bucket (SikaTop [®] -121 Surfacing gray only) including : <ul style="list-style-type: none">▪ Component A : 2 kg plastic drum,▪ Component B : 8.7 kg plastic bag. Kit of 26.75 kg including : <ul style="list-style-type: none">▪ Component A : 5 kg plastic drum,▪ Component B : 21.75 kg kraftpaper bag.
Appearance and colour	Component A: White liquid Component B: Grey or white powder
Shelf life	The product can be stored up to 12 months in its original packaging.
Storage conditions	Store component A sheltered from frost and component B sheltered from humidity and at temperatures between + 5°C and + 30°C
Density	Density of fresh mortar : ~ 2,1

Maximum grain size 0.6 mm.

TECHNICAL INFORMATION

Compressive strength		Grey / White
	at 28 days	Greater or equal to 30 Mpa
Flexural-strength		Grey / White
	at 28 days	Greater or equal to 7 Mpa

APPLICATION INFORMATION

Mixing ratio	A / B = 1 / 4.
Consumption	Depends on the nature and roughness of the substrate as well as on the thickness of the applied coat. Approximately 2.1 kg/m ² and per mm of thickness.
Layer thickness	1,5 mm to 3 mm max.
Ambient air temperature	SikaTop®-121 Surfacing grey : +5°C to +30°C SikaTop®-121 Surfacing white : +5°C to +25°C
Substrate temperature	+5°C min. / +35°C max. (+30°C max. for SikaTop®-121 Surfacing white)
Pot Life	~ 60 minutes at +20°C

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.

IMPORTANT CONSIDERATIONS

- SikaTop®-121 Surfacing can be covered by paints and facade coatings in aqueous phase, of the acrylic or pliolite type. In hot, dry weather the waiting time before painting is minimum 24 hours. In cold or wet weather, it will be necessary to wait a minimum of 48 hours of hardening before painting. To apply Sikagard®-680 S a minimum period of 7 days hardening SikaTop®-121 Surfacing is to be respected. For the other solvent paints, consult Sika technical department.
- When applying by temperature higher than + 25°C, store SikaTop®-121 Surfacing in a temperate local so that the temperature of the fresh mixture remains between +15°C and + 20°C.
- SikaTop®-121 Surfacing can withstand rain 6 hours after its application (at + 20°C).
- Like any hydraulic mortar, SikaTop®-121 Surfacing must be protected from freezing, wind and sun during setting and hardening.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and con-

tains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

The substrate must be clean, sound and free from loose materials. It will be particularly free from traces of oil, grease, laitance. Steel will be brushed or sand-blasted to eliminate rust, then covered with the passivation product Sika Monotop®-1010 N. The day before the application, moisten the substrate to the point of saturation. At the time of application, it will be moistened again. Ensure, however, that it is not dripping wet and free from any film or puddle on the surface during application.

MIXING

Carefully mix both components completely, with an electric or pneumatic mixer with slow rotational speed. The mixing should be continued until you obtain a smooth and lump-free paste of uniform colour. Use a low-speed electric or pneumatic mixer, equipped with a four branches propeller to mix product.

APPLICATION

Thickness per layer : 1.5 to 3 mm.

In preparing foundations and thin thickness repairs :
Apply according traditional methods with a trowel or thin-layer trowel less than 3 mm thick. It is possible to plan with a sponge, with the polisher or expanded

polystyrene.

CLEANING OF EQUIPMENT

The tools must be cleaned with water before the product hardens.

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.