

PRODUCT DATA SHEET

SikaRep® Cosmetic

COSMETIC MORTAR BASED ON CEMENT, AGGREGATES AND SYNTHETIC RESINS



DESCRIPTION

SikaRep® Cosmetic is a 1-component, cement based, superficial (cosmetic) repair mortar, containing fine aggregates and enhanced with synthetic resins, applied at a thin layer.

USES

It is suitable for application over concrete, mortar or stone in the following cases:

- As cosmetic repair mortar for treating defects:
- Detachment of the grout surface during stripping
 - Porosity, small irregularities or fine gravel nests
 - Breaking edges
 - Small cracks

As a leveling mortar:

- For prefabricated elements
- For the re-shaping plaster
- For uneven substrates before laying ceramic tiles

As mortar mounting:

- For sealing small, non-moving joints
- For the filling of small gaps after removal of plugs, anchors or tie rods in concrete

CHARACTERISTICS / ADVANTAGES

- Good adhesion to the substrate
- Easy to apply
- Adaptable consistency based on the demands of the application
- Hardening without cracking
- Resistance against water and weathering
- Creates a very smooth surface
- Can be overcoated

APPROVALS / CERTIFICATES

CE-marking and Declaration of Performance as 1-component masonry mortar for normal uses (GP) according to EN 998-1:2010, based on type testing and factory production control.

PRODUCT INFORMATION

Composition	Cementitious mortar enhanced with synthetic resins	
Packaging	23 kg bags	
Appearance / Colour	Light grey powder	
Shelf life	12 months from date of production	
Storage conditions	In original, unopened, sealed and undamaged packaging, in dry and cool conditions, protected from frost.	
Density	Fresh mix density: ~1,9 kg/l	
Maximum Grain Size	≤ 0.3 mm	(EN 12192-1)

TECHNICAL INFORMATION

Compressive Strength	7 days	26.9 N/mm ²
	28 days	30.9 N/mm ²

Tensile Strength in Flexure	7 days	3.9 N/mm ²
	28 days	6.0 N/mm ²
Tensile Adhesion Strength	7 days	1.48 N/mm ²
	28 days	1.64 N/mm ²

APPLICATION INFORMATION

Mixing Ratio	~ 5.3 l of water per bag
Consumption	~ 1.9 kg/m ² /mm of dry mix and ~ 1.63 kg/m ² /mm of produced mortar The minimum consumption per layer is 0.9 kg/m ² at 0.5 mm thickness.
Layer Thickness	0.5 mm min. / 2 mm max.
Ambient Air Temperature	+5°C min./ +30°C max.
Substrate Temperature	+5°C min./ +30°C max.
Pot Life	30-40 minutes (+ 20°C)

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Substrate must be sound, clean, free from grease, oil, dust, dirt, cement skin and friable materials. If necessary, prepare the substrate preferably using mechanical means.

Very absorbent substrates must be dampened up to saturation, avoiding standing water. Apply SikaRep[®] Cosmetic when the surface has a dark matt appearance.

MIXING

Pour into a clean container the required amount of water and gradually add SikaRep[®] Cosmetic while mixing with electrical mixer at low speed. When the whole bag of SikaRep[®] Cosmetic has been added to the water, mix for 2-3 minutes and until a homogeneous mix is obtained.

The consistency desired can be obtained by adjusting the water content, which can also vary according to existing environmental conditions.

If during application, the fresh mortar starts to stiffen, re-mix it without adding water, so as to recover part of the initial workability.

APPLICATION

Application can be done using a trowel. By adjusting the consistency, the mix can also be applied using a brush.

The surface finishing can be carried out with a sponge or expanded polystyrene float, when the mortar starts to set.

CURING TREATMENT

In order to avoid premature water loss, use the appropriate curing techniques, such as Hessian cloths, polyethylene sheets or curing membranes such as Sika[®] Antisol[®].

If the environmental conditions are adverse (low relative humidity, sun, wind, etc.), the curing period must

be extended.

CLEANING OF EQUIPMENT

Removal of fresh remnants from tools and application equipment can be carried out using water immediately after use. Hardened / cured material can only be mechanically removed.

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 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.

ECOLOGY, HEALTH AND SAFETY

For any information regarding safety issues in the use, handling, storage and disposal of chemical products, users should refer to the latest version of the Material Safety Data Sheet Product containing physical, ecological, toxicological and other data issues safety related

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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