

PRODUCT DATA SHEET

SikaRefit[®]-2000

MORTAR FOR COSMETIC CONCRETE SURFACE REPAIR AND FAIRING COAT

DESCRIPTION

SikaRefit[®]-2000 is one component, polymer modified, cementitious mortar based containing silica fume.

USES

SikaRefit[®]-2000 is used as repair mortar for minor surface defects on:

- Concrete
- Mortar
- Stone

SikaRefit[®]-2000 is a cosmetic mortar designed to eliminate surface defects due to demoulding, pores or honeycombs, and is suitable for small repairs on:

- Precast concrete elements
 - Fair-face concrete
 - Columns and beams
- As levelling mortar and fairing coat or finishing skim coat to concrete, mortar patches and screeds.

CHARACTERISTICS / ADVANTAGES

- Ready to use requiring only the addition of water
- Excellent workability
- Rapid strength development
- Good mechanical strength
- Good adhesion to substrate
- No corrosive effect on reinforcement steel
- Non-toxic

PRODUCT INFORMATION

Packaging	20 kg
Appearance / Colour	Powder / Grey
Shelf life	6 months if stored properly in unopened, original packaging
Storage conditions	Dry, cool, shaded place
Density	~ 1.25 kg/l (bulk density of powder) ~ 2.05 kg/l (density of fresh mortar)

TECHNICAL INFORMATION

Compressive Strength	~ 6 N/mm ² (1 day), ASTM C-349/ C109 ~ 40 N/mm ² (28 days)
Tensile Strength in Flexure	~ 6 N/mm ² (28 days), ASTM C-348
Tensile Adhesion Strength	~ 1.5 N/mm ² (on dampened, prepared concrete surface)

APPLICATION INFORMATION

Mixing ratio	Water : SikaRefit [®] -2000 powder = 1 : 4.0 (parts by weight) Water : SikaRefit [®] -2000 powder = 1 : 3.2 (parts by volume) Approx. 5.0 L of clean water per 20 kg bag.
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Consumption	1 bag yields approx. 12.2 L of mortar Approx. 82 bags required for 1 m ³ of mortar
Layer Thickness	Max. 2 mm
Ambient Air Temperature	Min. 6 °C Max. 40 °C
Pot Life	~ 30 min. (at 27 °C / 65 % r.h)

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Concrete, mortar and masonry surfaces must be clean, free from grease, oil and loosely adhering particles. Absorbent surfaces have to be thoroughly saturated with water prior application of SikaRefit®-2000.

MIXING

SikaRefit®-2000 should be mechanically mixed in a clean container using a low-speed electric mixer (max. 500 rpm). Place required quantity of clean water (5.0 L for 20 kg of SikaRefit®-2000) into a clean container and then add SikaRefit®-2000 slowly while mixing. A minimum mixing time of 3 minutes is recommended to thoroughly blends the components.

APPLICATION

SikaRefit®-2000 can be applied by spatula or trowel. Work the mixed mortar well into the substrate. Force material against the edge of the repair, working towards the center.

CURING TREATMENT

To achieve the full potential of any cement based material, curing is essential. In warm or windy weather, the use of standard curing methods are necessary (use of polyethylene sheets or damp hessian) to prevent premature drying out of mortar.

CLEANING OF TOOLS

Remove non-hardened SikaRefit®-2000 products from tools and equipment with water. Hardened material can only be removed mechanically.

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 declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

ECOLOGY, HEALTH AND SAFETY

Ecology: Do not dispose into waterlines sewers etc.

Transportation class: Non-hazardous

Waste disposal: According to local law

Important notes: SikaRefit®-2000 is cement base and is therefore alkaline. Suitable precautions should be taken to minimize direct contact with the skin. If the material gets into the eyes, rinse immediately with clean water and seek medical attention.

The strength values mentioned are average values of laboratory tests.

The results on the site may vary due to different environment, curing conditions and testing.

Trials should be always conducted before application. Always refer to the latest updated product data sheet.

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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