

PRODUCT DATA SHEET

SikaWall®-100 SA

HIGH PERFORMANCE CEMENTITIOUS LEVELING & SMOOTHENING PUTTY

DESCRIPTION

SikaWall®-100 SA is a cement based fine putty which provides an excellent finishing for concrete / cement plastered walls and ceiling, of different material such as brick, mortar, concrete, etc. It is an ideal base for painting and decorative finishing in interior & exterior application.
Suitable for use in hot and tropical climatic conditions.

USES

SikaWall®-100 SA is used as a thin levelling layer and a sealing putty on concrete, mortar and masonry surfaces.

Typical applications are:

- Pore sealer on cementitious substrates
- For external and internal wall/ceiling smoothing
- Fairing coat before application of other coatings
- Thin smoothing layer on vertical areas in building
- Can be used in civil engineering construction before application of acrylic decorative & protective coatings
- Filling putty of small bugholes
- Reprofilling of small defects on edges and to form decorative covings

FEATURES

- Good bond strength on cementitious substrates
- Very good workability, easy to level, smooth and sand
- Fine finish and high scratch resistance
- Applicable in layers up to 3 mm
- Fast curing
- Reduces top coat consumption
- Good mechanical strength
- One component, easy to use

PRODUCT INFORMATION

Composition	Polymer modified cementitious putty
Packaging	25 and 40 kg bag
Shelf life	12 months from date of production
Storage conditions	Store in undamaged, unopened, original sealed packaging in dry condition at temperatures between 5°C and 35°C. Protect from direct sunlight, heat and moisture.
Appearance and colour	White powder

TECHNICAL INFORMATION

Compressive strength	~8.00 N/mm ² (28 d / +20°C)	(EN 13892-2)
Flexural-strength	~3.00 N/mm ² (28 d / +20°C)	(EN 13892-2)
Tensile adhesion strength	~0.90 N/mm ² (28 d / +20°C)	(EN 13892-8)

APPLICATION INFORMATION

Fresh mortar density	~1.55 kg/l
Consumption	~0.9 - 1.0 kg of powder per m ² /mm This figure is theoretical and does not include for any additional material required due to surface porosity, surface profile, variations in level and wastage etc..
Yield	~23.4 liters (25 kg bag at 0.45% w/p ratio)
Layer thickness	1 mm in a single layer, up to 3 mm (multi-layer application)
Mixing ratio	10.75 to 11.25 liters of water per 25 kg bag 17.2 to 18.0 liters of water per 40 kg bag
Pot Life	~120 min (23°C)
Waiting time to overcoating	~24 hours depending on the thickness, can be painted and sanded after ~24 hours (+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

- Rapid drying due to sun or strong wind must be avoided.
- To aid curing protect fresh surfaces with light water-spray, for a minimum of 3 days.
- At high temperatures, use chilled water for mixing.
- SikaWall®-100 SA will not bridge live cracks.
- Never apply SikaWall®-100 SA to a dry substrate.
- SikaWall®-100 SA is not suitable for use for any flooring application, trafficable areas, structural repairs of any type.

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

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Substrate must be sound, rough, free from dust, loose particles, cement laitance, curing compounds, oil, grease or any other contamination. Pre-wet the substrate to a saturated surface dry condition (SSD) prior to application. Avoid puddles and standing water.

MIXING

Mix with the necessary, above mentioned, amount of water, using an electric blender with a suit-able mixing spiral at low speed, in a clean bucket for at least 3 minutes. Obtain a smooth paste free of lumps. Use a blender at 500 rpm maximum. Do not mix at faster rate because of mechanical strength decay of the cured product. The obtained mix result is very creamy, easily spreadable and thixotropic.

APPLICATION

SikaWall®-100 SA can be applied by putty blades. Make sure that the second layer application should be done when the first layer is totally dry. If the substrate is having low tolerances it is convenient to apply SikaWall®-100 SA in one layer. When deeper holes or fissures to be filled it should be applied in several layers, once dry. The surface must be sanded with a sandpaper of fine grain, then proceed painting the surface.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with water immediately after use, once hardened material can only be removed mechanically.

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.

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ISO 9001, 14001, 45001 – SGS
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ISO 9001, 14001 – SGS
- Sika Saudi Arabia Limited
ISO 9001, 14001 – TÜV
- Sika MB Construction Chemicals LLC
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All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



Product Data Sheet

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