

## PRODUCT DATA SHEET

# SikaWall®-100 IQ Skim

### HIGH PERFORMANCE CEMENTITIOUS LEVELING & SMOOTHENING PUTTY AND MOUNTING MORTAR

#### DESCRIPTION

SikaWall®-100 IQ Skim 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 & decorative finishing in interior & exterior application.

Suitable for use in hot and tropical climatic conditions.

- Good mechanical strength
- One component, easy to use
- Good water proofing and vapor permeability.
- High resistance to salts and chemicals.

#### USES

SikaWall®-100 IQ Skim 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 bug holes
- Reprofiling of small defects on edges and to form decorative covings.
- As mounting mortar for regular/hollow blocks and bricks
- As an adhesive for insulation boards on walls, floors and ceilings.
- As External mortar finishing layer on insulation boards (EPS-XPS, etc...)

#### CHARACTERISTICS / ADVANTAGES

- Excellent bond strength on most cementitious substrates.
- Very good workability, easy to level, smooth & sand.
- Fine finish and high scratch resistance.
- Applicable in thick layers up to 5 mm
- Fast curing

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## PRODUCT INFORMATION

Composition	Polymer modified cementitious putty
Packaging	25 kg bags
Appearance / Colour	Grey powder
Shelf life	12 months from date of production if stored properly in undamaged unopened, original sealed packaging.
Storage conditions	In dry conditions at temperatures between +5°C and +35°C. Protect from direct sunlight.
Maximum grain size	0.7 mm

## TECHNICAL INFORMATION

Tensile adhesion strength	≥ 0.5 N/mm <sup>2</sup>	(EN 1015-12)
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## APPLICATION INFORMATION

Mixing ratio	6 - 7 L of water per 25 kg bag
Consumption	~ 4 m <sup>2</sup> / 25 kg Bag / thickness 4 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.
Layer thickness	1.5 mm in single layer, up to 5 mm (multi-layer application)
Pot Life	60 min (+23 °C)
Waiting time to overcoating	~24 hours depending on thickness, can be painted and sanded after ~24 hours (+20 °C)

## 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.

## 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 IQ Skim will not bridge live cracks.
- Never apply SikaWall®-100 IQ Skim to a dry substrate, pre wetting must be applied.
- SikaWall®-100 IQ Skim is not suitable for use for any flooring application, trafficable areas, structural repairs of any type.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing 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 suitable 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 IQ Skim 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 IQ Skim in one layer, When deeper holes or fissures to be filled it should be applied in sev-

eral layers, once dry. The surface must be sanded with a sandpaper of fine grain, then proceed to the painting of 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**

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.

## **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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