

# PRODUCT DATA SHEET

## SikaWall®-113

### CEMENTITIOUS LEVELING AND SMOOTHENING PUTTY

#### DESCRIPTION

SikaWall®-113 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 application. Suitable for use in hot and tropical climatic conditions

#### USES

SikaWall®-113 is used as a thin levelling layer and a sealing putty on concrete, mortar and masonry surfaces. Typical applications are:

- Pore sealer / fairing coat on cementitious substrates.
- Levelling cementitious putty on uneven substrates and profiled concrete surfaces for external and internal finishing.
- External vertical application as a thin smoothing layer for building and civil construction and as a color matching coat.
- Internal walls before application of decorative paints.
- Repair mortar to fill small honeycombing, pores.
- Repair mortar for small defects on edges and to form covings.

#### FEATURES

- Easy to mix, apply and finish
- Easy to use, mix with water only
- User friendly application, excellent workability
- Good mechanical strength
- Non-corrosive
- Adjustable consistency
- Economical
- Fast curing

#### PRODUCT INFORMATION

<b>Composition</b>	Polymer modified cementitious putty
<b>Packaging</b>	25 kg and 40 kg bag
<b>Shelf life</b>	12 months from date of production
<b>Storage conditions</b>	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.
<b>Appearance and colour</b>	White powder

## TECHNICAL INFORMATION

Compressive strength	~8.00 N/mm <sup>2</sup> (28 d / +20°C)	(EN 13892-2)
Flexural-strength	~3.00 N/mm <sup>2</sup> (28 d / +20°C)	(EN 13892-2)
Tensile adhesion strength	~0.60 N/mm <sup>2</sup> (28 d / +20°C)	(EN 13892-8)

## APPLICATION INFORMATION

Fresh mortar density	~1.15 kg/l
Consumption	~0.9 - 1.0 kg of powder per m <sup>2</sup> /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	~31.5 L (25 kg bag at 0.45 w/p ratio)
Layer thickness	up to 1 mm in single layer, up to 3 mm (multi-layer application)
Mixing ratio	10.75 to 11.25 L of water per 25 kg bag 17.2 to 18.0 L of water per 40 kg bag
Pot Life	~120 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 Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## IMPORTANT CONSIDERATIONS

SikaWall®-113 should not be used in following cases:

- Leveling coat prior application of any rigid coating
- Trafficable or any flooring areas
- Structural repairs of any type
- At high temperatures, use chilled water for mixing.
- Dry substrates
- Windy conditions
- For additional information on SikaWall®-113 contact Sika Technical Department.

## 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 & 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®-113 can be applied with a spatula or trowel directly onto the substrate. Build up the coat required on layers until achieving the level of fairness required. Allow each coat to dry before applying next coat. As soon as the final coat has started to set it can be smoothed by wooden or synthetic float, styrofoam block or sponge. Application of thick layers is not advisable due to the tendency of surface cracking on drying.

## 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  
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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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