

PRODUCT DATA SHEET

SikaWall® Level SG

ONE COMPONENT CEMENTITIOUS LEVELING PUTTY

DESCRIPTION

SikaWall® Level SG is a single component, cementitious, polymer modified pore sealing and levelling putty. Suitable for use in hot and tropical climatic conditions.

USES

SikaWall® Level SG is used as a:

- Pore sealer / fairing coat on cementitious substrates
- Levelling cementitious putty on uneven substrates and profiled concrete surfaces for external and internal finishing
- Thin smoothing layer on vertical areas in building and civil engineering construction before application of decorative paints
- Repair mortar to fill small honeycombing, pores
- Repair mortar for small defects on edges and to form coverings

CHARACTERISTICS / ADVANTAGES

SikaWall® Level SG is one component material, with the following advantages:

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

PRODUCT INFORMATION

Composition	Cementitious polymer composition
Packaging	5, 20 and 25 kg bag
Appearance / Colour	White powder
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.
Density	~1.7 kg/l (25 °C) (fresh mortar)

TECHNICAL INFORMATION

Compressive strength	> 15 N/mm ² (28 d)	(ASTM C109)
Tensile adhesion strength	~1.0 N/mm ² (28 d)	(ASTM D4541)

APPLICATION INFORMATION

Mixing ratio	1.6 - 1.7 L of water per 5 kg bag 6.4 - 6.8 L of water per 20 kg bag 8 - 8.5 L of water per 25 kg bag Note: Water to powder (w/p) ratio = 0.32 - 0.34
Layer thickness	Min. 0.20 mm Max. 1.00 mm (per single layer)
Ambient air temperature	5 °C min. / 45 °C max.
Substrate temperature	5 °C min. / 45 °C max.
Pot Life	~3 h (23 °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.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets before using any products. 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.

IMPORTANT CONSIDERATIONS

SikaWall® Level SG should not be used on following cases:

- Leveling coat prior application of any rigid coating
- Traffic areas
- Structural repairs requirements

At high temperatures, use chilled water for mixing. For additional information on SikaWall® Level SG or other materials contact Sika Technical Department.

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 substrate to a saturated surface dry condition (SSD) prior to application. Avoid puddles and standing water.

MIXING

Mix a bag 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, to 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 results should be very creamy, easily spreadable and thixotropic.

APPLICATION

Apply SikaWall® Level SG on damp surfaces using putty knife. Build up the coat required on layers until achieving the level of fairness required. Allow each coat to dry first 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.
workability ≥ 120 min. (37 °C)

CLEANING OF EQUIPMENT

Application and mixing tools should be cleaned with water while material is still fresh. 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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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 OHSAS
18001.

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November 2020, Version 04.01
02182010100000051