

PRODUCT DATA SHEET

SikaWall®-101 PH

Ready-to-mix, paste type skimcoat for interior and exterior wall and ceiling applications.

DESCRIPTION

SikaWall®101 is a ready-to-mix skimcoat rendering paste designed for levelling uneven concrete surfaces and filling pinholes. It provides a smooth, uniform finish by eliminating surface imperfections such as grooves, seams, and rock pockets.

USES

Permissible Substrates:

- Interior and exterior walls and ceilings from 0.3 mm to 4 mm thickness, note for exterior applications, recommended to use a sealer
- Reinforced concrete
- Precast concrete panels
- Traditional rendering
- Fiber cement boards

Suitable Covering Materials

- Water based finishes: Synthetic finish coats / minerals based paints / painter's coatings
- Wallpaper / fabric coverings
- Bonded plastic finishes

CHARACTERISTICS / ADVANTAGES

- Provides smooth finish
- Effectively eliminates minor surface blemishes
- Compatible with decorative wall coverings
- Can be left exposed or used as a base for additional coverings
- Offers excellent workability and trowelability
- Saves time and money (less paint may be required)

PRODUCT INFORMATION

Chemical Base	Synthetic polymers, mineral fillers		
Packaging	5 kg pail, 20 kg pail, 25 kg pail		
Appearance / Colour	Off-white to beige		
Shelf Life	12 months from date of production if stored properly		
Storage Conditions	Store properly in unopened and undamaged original sealed containers protected from direct sunlight & moisture		
Thickness	0.3 - 4 mm		
Tensile Adhesion Strength	Days	MPa	PSI
	28	≥ 0.8	≥ 116
	<i>at 1 mm thickness, values obtained using 1:0.8 Sikawall-101 to Type-1-cement mixing ratio</i>		
Mixing Ratio	1.0 : 0.5 - 1.0 (SikaWall 101: Cement)		

Consumption

5 kg pail 3 to 5 sqm; 20 kg pail 12 to 16 sqm; 25 kg pail 16 to 20 sqm. Note: application at 1 mm thickness

*Disclaimer: Consumption may be higher depending on surface irregularities. Consult Sika Technical team for further application information

Ambient Air Temperature	+10 °C to +35 °C
Open Time	30 - 60 minutes between coats depending on atmospheric conditions
Curing Time	48 to 72 hours
Fresh mortar density	1.29 - 1.4 kg / L

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.

USES

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

NOTES ON INSTALLATION

Thickness more than 2 mm may only occasionally be applied, e.g. when filling bug holes and bubbles. In hot conditions, protect the finished surface from drying out by lightly misting and covering. Do not cover with a hydraulic binder-based mortar. Do not use on submerged substrates. Not suitable for structural cracks subject to movement.

SURFACE PREPARATION

General Condition

All surfaces must be structurally sound, dry, clean, and free from oil, grease, wax, dust, and other contaminants. All surfaces should be dampened using a sponge or cloth immediately before application. Very porous surfaces should be properly primed to ensure adhesion.

Concrete Surfaces

Remove all release agents, especially on tilt-up slabs. New concrete must be cured for at least 28 days before application.

Rendered Surfaces

Newly rendered surfaces must be cured for at least 7 days before application. Painted surfaces must be scrubbed or abraded to expose at least 75% clean surfaces.

MIXING

Mix (1) kg of SikaWall 101 with 0.5 to 1 kg of cement until the mixture is uniform and lump free. Do NOT add water. The product is designed as a ready-to-mix paste; adding water will compromise performance

Substrate Condition: The concrete surface should be slightly damp (not dry and not saturated) before application. This prevents excessive suction, ensures proper workability and maintains product quality.

Small Quantity: Use a small paddle or hand mixer and mix for at least 3 minutes until the mixture is smooth and uniform.

Large Quantity: Use a mechanical mixer at a speed of approximately 500 rpm. Mix for at least 3 minutes or until the desired consistency is achieved.

Resting Time: After mixing, allow the mixture to stand for 1 - 2 minutes before application to release air bubbles and improve workability.

Color Variation: Different cement brands may produce slightly different color shades. Always perform a test mix before actual application. The final color depends on the type of cement and the cement-to-product ratio used.

APPLICATION

Apply the mixed product evenly using a clean steel trowel. This initial coat serves to level the substrate and fill surface imperfections.

Apply a minimum of two coats: First coat for leveling and filling pores. Second coat for finishing and achieving a smooth surface.

Additional coats may be applied as needed to reach the required thickness or desired texture.

Porous Substrates: If the substrate has excessive pores, apply a thin first coat to fill these areas before proceeding with subsequent layers for easier and faster application.

Drying Time Between Coats: Allow 30 - 60 minutes or until the previous coat is firm and dry to the touch before applying the next layer.

Surface Finishing: After the final coat has dried, polish the surface using sandpaper No. 380 for a smooth finish.

Before Covering: Allow a minimum of 7 days curing before applying any covering material (paint, wallpaper, etc.) to ensure proper adhesion and durability.

CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened or cured materials can be only mechanically removed.

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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