

PRODUCT DATA SHEET

SikaWall®-150 WP Render

High Build Polymer Modified Waterproof Render

DESCRIPTION

SikaWall®-150 WP Render is a prepacked Vinyl Acetate Copolymer modified mortar requiring only the addition of clean water to produce a mortar suitable for waterproofing, rendering and general concrete repairing.

USES

- High build waterproof render
- Internal and external rendering
- Reinstatement of damaged concrete and protection of reinforcement

CHARACTERISTICS / ADVANTAGES

- Vertical application 6 mm up to 40 mm thick per layer
- Pre-packed for control and convenience
- Easy to mix and apply
- Easy to achieve a smooth surface finish
- Waterproof

PRODUCT INFORMATION

Packaging	25 kg bag
Shelf Life	9 months from the date of production.
Storage Conditions	Stored properly in undamaged and unopened original sealed packaging. Protect from direct sunlight and frost.
Appearance / Colour	Concrete grey
Volatile Organic Compound (VOC) Content	< 10 g/litre when tested according to USEPA Method 24

TECHNICAL INFORMATION

Compressive Strength	Age at Test	SikaWall®-150 WP Render Typical Performance
	7 days	>35 MPa
	28 days	>40 MPa
Tensile Strength in Flexure	Age at Test	SikaWall®-150 WP Render Typical Performance
	28 days	>10 MPa

Tensile Strength	Age at Test	SikaWall®-150 WP Render Typical Performance
	7 days 28 days	>1 MPa >2.5 MPa
Tensile Adhesion Strength	Age at Test	SikaWall®-150 WP Render Typical Performance
	7 days 28 days	>1 MPa >1.5 MPa
Shrinkage	Age at Test	SikaWall®-150 WP Render Typical Performance
	1–28 days	No cracking in 1–28 days
Water Absorption	Age at Test	SikaWall®-150 WP Render Typical Performance
	28 days	0.0237 ml/m ² /s @ 10 min
	28 days	0.0178 ml/m ² /s @ 30 min
	28 days	0.0099 ml/m ² /s @ 60 min
	28 days	0.0059 ml/m ² /s @ 120 min
Yield	Approx. 58 bags/m ³	

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.

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 Material Safety Data Sheet (MSDS) containing physical, ecological, toxicological and other safety-related data.

REGULATION (EC) NO 1907/2006 - REACH

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

For rendering application, remove all laitance and loose material from the concrete surface.

Surface Priming

- Concrete surfaces to be primed must be thoroughly wetted with clean water
- Mix the primer by the following ratio :
- SikaLatex® C : Cement = 1:1.5 by volume OR 1:2.0 by weight

MIXING

SikaWall®-150 WP Render mortars should be mixed in a forced action mixer or using a slow speed drill (typically 500 rpm) and paddle.

Place the whole bag of powder in the mixing vessel and pour 3.5–4 litres of clean water in the powder. Mix for two minutes to achieve a homogenous workable mortar.

APPLICATION

Once mixed the mortars should be applied to the prepared and where necessary primed substrate before the primer coats dries. Build up successive layers as required allowing intermediate layers to firm up. Intermediate layers should be scratched or keyed and primed before the next layer is applied. It is important that the mortar is applied to wet/tacky primer. If the primer dries it must be thoroughly scarified and re-applied. N.B. It is not always possible to achieve high build application, especially when working over large areas. Application depth is dependent upon the size and profile of the repair area, the consistency of the mortar, and the skill and technique of the applicator. Finish the surfaces to the desired profile using a wood or steel float, trowel, or sponge. To avoid slumping on high build application, the material should be allowed to firm up before final finishing is carried out.

CURING TREATMENT

Allow the area to cure properly and consult Sika®'s technical department for curing method in severe conditions.

CLEANING OF TOOLS

Clean all tools and equipment with clean water immediately after use.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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Product Data Sheet

SikaWall®-150 WP Render
August 2023, Version 01.01
021820301000000021

SikaWall-150WPRender-en-HK-(08-2023)-1-1.pdf