

PRODUCT DATA SHEET

SikaWall®-120 Pro Render

A CEMENT-BASED WALL RENDER FOR CONCRETE, BLOCK, BRICK AND AAC SUBSTRATES

DESCRIPTION

SikaWall®-120 Pro Render is a specifically formulated for interior and exterior render designed to be applied over ridged masonry substrates such as concrete, brickwork, blockwork & AAC (autoclaved aerated concrete).

SikaWall®-120 Pro Render is design to be applied at thicknesses of 4-10mm.

USES

SikaWall®-120 Pro Render is a specially formulated cement based render suitable for interior and exterior applications such as.

- Brickwork,
- Blockwork
- Concrete
- AAC (autoclaved aerated concrete) panels and blocks

SikaWall®-120 Pro Render can be finished with a wood, plastic or sponge float.

Note suitable for applications over fibre cement sheeting or Blueboard

FEATURES

- Pre-blended
- Controlled formulation
- Excellent adhesion
- Fast and easy application
- Sponge finish with 1 coat
- Minimal drying shrinkage
- Application thickness 4mm-10mm
- Off white/Grey appearance
- provides a smooth appearance for subsequent paint or textured coatings

PRODUCT INFORMATION

Packaging	Paper bags / 64 bags per pallet
Colour	Off White to grey appearance
Shelf life	12 months from date of manufacture if unopened.
Storage conditions	Store off ground in dry cool conditions out of direct sunlight.
Density	1.7-1.8kgs/Litre
Volatile organic compound (VOC) content	Low VOC <1g/Ltr

APPLICATION INFORMATION

Mixing ratio	3-4 litres of clean, cool potable water per 20kg bag															
Consumption	A 20kg bag of SikaWall®-120 Pro Render will cover approximately 2.8m ² at a thickness of 4mm <table border="1"><thead><tr><th>Thickness</th><th>Coats/Applications</th><th>Material kg/m²</th></tr></thead><tbody><tr><td>4mm</td><td>1</td><td>7.2</td></tr><tr><td>6mm</td><td>1</td><td>10.0</td></tr><tr><td>8mm</td><td>2</td><td>14.4</td></tr><tr><td>10mm</td><td>2</td><td>18.0</td></tr></tbody></table> <p>Consumption shall be treated as a guide only due to substrate flatness, brickwork quality and other factors beyond the control of the manufacturer.</p>	Thickness	Coats/Applications	Material kg/m²	4mm	1	7.2	6mm	1	10.0	8mm	2	14.4	10mm	2	18.0
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4mm	1	7.2														
6mm	1	10.0														
8mm	2	14.4														
10mm	2	18.0														
Layer thickness	4-10mm															
Pot Life	The render remains useable for up to 3 hours when measured at 23°C and 50% relative humidity. The render may need re-stirring during its pot life, do not add additional water, re-stir only.															
Waiting time to overcoating	<ul style="list-style-type: none">▪ SikaWall®-120 Pro Render will dry at 25°C and 50% relative humidity in around 6-10 hours depending on the dampness of the substrate. As a general rule however, cement renders should be kept damp for the first 12 hours to ensure proper hydration of the mixture. If drying is too rapid, hydration will not take place and the render will not develop its full strength and will become friable.▪ SikaWall®-120 Pro Render should be allowed a minimum of 7 days to cure when measured at 23°C and 50% RH▪ SikaWall®-120 Pro Render should be left for at least 7 days before applying an acrylic texture or topcoat when measured at 23°C and 50% RH▪ SikaWall®-120 Pro Render is not designed to be left unprotected and should be over coated. If left for too long in the elements there is a real likelihood of "rust looking staining" occurring on the rendered finish, as the fossilised wood particles in the sand leach out water. <p>Note: Setting time is affected by site conditions, climate and could be faster or slower than specified.</p>															

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.

LIMITATIONS OF USE

- Not suitable on floors
- Not suitable over fibre cement sheeting, Blueboard, EPS or XPS foam substrates
- SikaWall®-120 Pro Render must not be applied at elevated temperatures above 30°C or in hot direct sun and windy conditions
- SikaWall®-120 Pro Render should be protected from rain and frost for the first 24 hours
- Applications on large areas in full sun should be avoided (and / or the surface should be cooled and tempered with plenty of fresh water). Always try to work in shaded areas
- During inclement weather, application should be stopped to give the product sufficient time to set. Protect the finished work around down pipes, spouts or where water may continually splash or wet the

surface

- For applications not mentioned in this document please contact Sika Australia

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

- All surfaces must be installed according to manufacturer's instructions and relevant Australian Standard(s) and be structurally sound, dry, clean and free from movement, oil, grease, wax, sealers, curing compounds, release agents and any other loose or contaminating material. Thoroughly clean old surfaces, or new surfaces that have been treated, prior to applying the render.

- Surface misalignments and protrusions (splashed mortar, form or shutter marks in off-form concrete) should be trimmed back. Tie wires, nails or steel on the surface must be completely removed. All other metal elements must be corrosion stabilised.

Surface Absorbency

Test absorption of the substrate by splashing on water. If it stays wet consider the surface to be “normal”. This means it will only require light dampening with clean water prior to a single coat application for up to 6mm thick. Typical substrates are cement blockwork and medium fired bricks.

An absorbent substrate will absorb water immediately and may take too much moisture from the render mixture. Such a substrate will require soaking with a lot more water prior to application of the render. Alternatively the surface could benefit from a diluted application of Davco Lanko 751 Lankolatex diluting 1 part to 2 parts water.

In hot weather, the substrate is best tempered with water to reduce suction and aid in the application of the render.

- Note: Low absorption concrete or cement blockwork can offer little surface suction reducing the adhesion. It is best to prime these substrates with Davco Ultraprime before application of SikaWall®-120 Pro Render.

MIXING

- Ensure the water temperature does not exceed 25°C.
- The water component should be measured into suitable bucket or pail and the powder slowly incorporated during mixing.
- Mix the SikaWall®-120 Pro Render with an electric mixer for a minimum of 2 minutes until it reach a smooth lump free consistency. Do not mix by hand.
- Allow the mixture to stand for 3-5 minutes, then re-mix for an additional minute.
- Then the mixture is ready to use

Do not add additional water during the potlife, restir only.

APPLICATION

1. Application by hawk and trowel should occur in two passes, a tight first pass followed by a second leveling pass.
2. Allow for the surface moisture to stabilise then screed with a 1200mm straight edge to a uniform surface. Apply more render to low areas as required.
3. Once the surface is uniformed, float true (level) using a polyurethane float to produce a fine sandy finish. Render droppings or set materials should be discarded, not re-tempered with water. Always terminate the render application above the damp course line. Weep holes should not be filled and reinstated if they happen to be coated over. Never bridge the damp course or expansion joints.

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Note: Ensure the SikaWall®-120 Pro Render is allowed to dry and cure, then covered with a suitable paint, textured coating, or other suitable finishing material to prevent from damage.

CURING TREATMENT

SikaWall®-120 Pro Render should be allowed a minimum of 7 days to cure.

SikaWall®-120 Pro Render will dry at 25°C and 50% relative humidity in around 6-10 hours depending on the dampness of the substrate. As a general rule however, cement renders should be kept damp for the first 12 hours to ensure proper hydration of the mixture. If drying is too rapid, hydration will not take place and the render will not develop its full strength and will become friable.

CLEANING OF EQUIPMENT

Tools and equipment can be cleaned with water before the product sets/dries.

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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