

PRODUCT DATA SHEET

SikaWall®-105 Rush Coat

Ready mixed rush coat for blocks and concrete

DESCRIPTION

SikaWall®-105 Rush Coat is a ready mixed mortar and mineral bonding agent, used as a mechanical key coat on substrates before rendering. It improves adhesion of plaster / cement render, applied on masonry block and concrete.

SikaWall®-105 Rush Coat can be applied traditionally by hand or tyrolean box.

Suitable for use in hot and tropical climatic conditions

USES

SikaWall®-105 Rush Coat is used for providing a mechanical key for subsequent layers of plaster and renders.

CHARACTERISTICS / ADVANTAGES

SikaWall®-105 Rush Coat provides the following beneficial properties:

- Ready to use
- Good adhesion
- Easy to apply
- Durable

PRODUCT INFORMATION

Composition	Portland cement, selected sand and additives
Packaging	40 kg bags
Shelf life	12 months from date of production if stored properly
Storage conditions	Store in a cool, dry area in original sealed packaging and at temperatures between +5 °C and +35 °C. Protect from direct sunlight, heat and moisture.
Appearance and colour	Grey powder
Density	~2.05 kg/l (at 25 °C) (Fresh Mortar)

TECHNICAL INFORMATION

Tensile adhesion strength	~1.0 N/mm ²	(ASTM C1583)
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APPLICATION INFORMATION

Mixing ratio	6.8 – 7.2 litres of water per 40 kg bag
Consumption	Approximately 4-5 kg/m ² , depending on substrate porosity.
Yield	~23 L per 40 kg bag (w/p=0.18)

Ambient air temperature +5 °C min. / +40 °C max.

Substrate temperature +5 °C min. / +40 °C max.

Pot Life ~3 hours (at 25°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

- When the ambient temperature is high during summer months, special precautions must be taken so that the mixed material is not above ~30 °C.
- Mix material with chilled water to reduce the temperature.
- Avoid application in direct sun and/or strong wind.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

SUBSTRATE QUALITY / PRE-TREATMENT

The substrate must be cement laitance free, clean, rough and free from dirt, oil, grease or other contaminants and loose or friable particles.

Absorbent surfaces should be saturated thoroughly with clean water. The substrate must be free from easily removable parts, non-deformable and correctly aged. Delaminated, weak, damaged and deteriorated concrete and where necessary sound concrete shall be removed by suitable means. For any repairs of the substrate materials of SikaRep® or Sika MonoTop® range should be used, applied at least 24 hours before.

MIXING

Add water as per advised mixing ratio, to achieve desired consistency, into a clean mixing vessel, before slowly adding the SikaWall®-105 Rush Coat powder. SikaWall®-105 Rush Coat is best mixed in a forced action mixer for 2 to 3 minutes or until the mix is free of lumps but not longer than 5 minutes. A slow speed double paddle drill (maximum 500 rpm) can be also used for mixing.

For spray gun application, please follow the instructions of machine manufacturer. Do not exceed recommended water to powder ratio.

Normal tumble type concrete mixers are not suitable for mixing.

Do not add extra water or other ingredients. Mix only full bags for the best result.

APPLICATION

SikaWall®-105 Rush Coat is best applied on to the prepared substrate using a tyrolean box. Apply on entire prepared area and allow time for the material to stiffen. Ensure that the applied material covers the entire surface area. A rough texture is to be obtained to provide a mechanical key for the subsequent coat of plaster.

CURING TREATMENT

Good curing practice must always be followed.

As a general guidance, the rush coat has to be cured with water for at least three days by misting the substrate twice a day.

CLEANING OF EQUIPMENT

Clean all tools and equipment with water immediately after use.

Hardened SikaWall®-105 Rush Coat 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.

SIKA NORTHERN GULF

Bahrain / Kuwait
Tel: +973 177 38188
info@bh.sika.com
gcc.sika.com

SIKA SOUTHERN GULF

UAE / Oman / SIC
Tel: +971 4 439 8200
info@ae.sika.com
gcc.sika.com

Sika Saudi Arabia

Riyadh / Jeddah / Dammam
Tel. +966 11 217 6532
info@sa.sika.com
gcc.sika.com



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Sika Gulf B.S.C. (C),
Sika Saudi Arabia Limited,
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Sika Saudi Arabia Limited,
Sika International Chemicals LLC,
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Sika Gulf B.S.C. (C),
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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.

SikaWall-105RushCoat-en-AE-(01-2022)-2-1.pdf

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January 2022, Version 02.01
02189020000000008

