

PRODUCT DATA SHEET

SikaLatex®-310 RTU

Ready-to-use high-performance adhesion resin for cement, plaster or lime mortars.

DESCRIPTION

SikaLatex-310® RTU is an aqueous dispersion of synthetic resins that comes in the form of a milky liquid. Used for mixing cement mortars, plaster or lime.

USES

- All masonry work requiring reinforcement of adhesion and waterproofing.
- Coated
- Screeds
- Durable, watertight masonry joints
- Concrete rework
- Reprofilng and repairs of concrete splinters
- Finishing work on roofing, ridge tile barrings and ridges
- Masonry plaster fittings and flashings
- Banks
- Majolica
- Gobetis
- Reinforcement of plasters subjected to humidity
- Lime plaster
- Waterproof coating for ponds and pools

FEATURES

- SikaLatex-310® RTU
- greatly improves the adhesion of the mortar to all substrates, even smooth ones (concrete, stone, brick, ferrous metals, glass and ceramics),
- greatly improves waterproofing, makes the plastic mortar and easy to use.
- increases tensile and flexural strengths.
- limits the risk of cracking.
- improves surface hardness.
- Improves wear resistance and reduces dust.
- SikaLatex-310® RTU strengthens the resistance of the mortars even in a humid environment or when immersed.
- SikaLatex-310® RTU is compatible with all cements, lime and plaster

PRODUCT INFORMATION

Packaging	▪ Bulk ▪ 1000 litres IBC ▪ 200 litres Drum ▪ 25 litres Keg ▪ 5 litres Keg
Shelf life	12 months minimum from production date.
Storage conditions	The product must be stored in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between 5 °C and 35 °C. Protect from direct sunlight.
Density	1.0 ± 0.02
pH-Value	10.50 ± 1.0.
Appearance	Milky white liquid.

APPLICATION INFORMATION

Consumption

- In tack layer: 0.120 L / m2 and mm thickness
- In mortar: 0.600 L/m2 and cm thick (see example)

Title	Tack layer	Mortar
Sika Latex 310 RTU	3L	3L
Quantity of cement	6kg	5kg
Quantity of sand	6L	5L
Consistence	Creamy	Firm / Flexible
Approximately	1m2	10L of Mortar

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.

LIMITATIONS OF USE

LIMITATIONS

- Do not use below a temperature of + 5°C
- SikaLatex-310® RTU should not be added pure to the dry cement.
- Always make sure to use the minimum volume of water at the beginning of the mixing process and then adjust the amount of water at the end of the mixture to obtain the desired consistency.

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 METHOD / TOOLS

SikaLatex-310® RTU

1.) Coatings

To obtain good adhesion of the plasters on raw or smooth concrete and on all masonry: after preparation of the support, make a gobetis using SikaLatex-310® RTU mortar made with grained sand to obtain a rough adhesion surface,

- let the gobetis pull (the nail) before coating the wall,
- apply the plaster itself, straighten with a ruler, keep a rough surface,
- Apply topcoat if necessary.

2) Screeds

To obtain good adhesion of the screeds and mid-screeds:

- after preparation of the support, spread the SikaLatex-310® RTU slip in a thin layer a few millimetres thick with a roadman's broom (use the same sand as the mortar),
- on this still fresh and sticky slip, exerrated cut the screed itself.
- To obtain a screed with good resistance to wear and tear and little sensitivity to the action of oils and greases:
- proceed as above for the slip, on the slurry still fresh and sticky, make a screed with a SikaLatex-310® RTU mortar
- protect against desiccation by spraying the SikaLatex-310® RTU screed as soon as the mortar changes colour (switches to matte), then moistens the screed after 24 hours.

3) Masonry joints

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To make or renovate visible joints, proceed as follows:

- if necessary, re-excavate the horizontal and vertical joints to a depth of a few centimetres, wash them with a jet of water under pressure, line the joints with the SikaLatex-310 RTU® mortar, tempered fairly firm, to obtain good adhesion and improved sealing of the joints,
- avoid protruding or too deep joints (DTU 20.1).

4) Patching - Repairs

To make solid, clean skimming:

- after preparation of the support, make a mortar with SikaLatex-310® RTU tempered firm with a fairly fine sand.
- impregnate the part to be patched with SikaLatex-310® RTU.
- before drying this impregnation, apply and tighten the mortar with SikaLatex-310® RTU.
- immediately finish the patching, reprofiling of edges, re-Dressing.
- The holes left by the formwork spacer pins will be filled efficiently and in a manner that is not durable with SikaLatex-310® RTU mortar or, by pre-fabricated cores sealed with SikaLatex-310® RTU slip

5) Finishing work on the roof: flashing joints, Sealing of ridge tiles

- After preparation of the substrate, apply the mortar with SikaLatex-310® RTU in the same way as the usual mortar.
- Protect against desiccation by spraying SikaLatex-310® RTU.

6) Plaster bonding - Waterproof plasters

To treat plasters subjected to humidity:

- Mess up plaster with SikaLatex-310® RTU
- Make a rough gobetis in a tack coat, the tempered plaster with SikaLatex-310® RTU becomes harder faster and waterproof.

7) Concreting

To obtain a good bond of fresh concrete to hardened concrete and to prevent waterproofing defects on the recovery surface:

- Pressure wash the concrete of the surface surface,
- prepare a mortar with SikaLatex-310® RTU mixed with plastic consistency,
- spread the SikaLatex-310® RTU mortar over the wet surface in a layer of 2 to 3 centimetres,
- pour the concrete immediately,
- carefully vibrate the recovery area for good inter-penetration of mortar and concrete,
- use a panel height that is compatible with Clamping means used on the construction site.

APPLICATION

Preparation of the Sika Latex-310® RTU slip (tack coat):

- 1 volume of cement
- 1 volume of sand

Mix until creamy with SikaLatex-310® RTU solution (above).

Preparation of SikaLatex-310® RTU mortar:

- 1 volume of cement
- 2 volumes of sand 0-3

Mix until desired consistency with SikaLatex-310® RTU solution

Mixing:

- Handmade like ordinary mortar
- With a concrete mixer or mixer: avoid prolonged mixing
- Use the mortar as soon as it is homogeneous.

Mixing ratio to be respected:

(quantities given as an indication, to be adapted according to the moisture content of the sand and the consistency required)

CLEANING

In water immediately after use. The cured product 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

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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 MANUFACTURING NIGERIA LIMITED

10, Western Industrial Avenue, Isheri
Riverview Estate
Lagos - Ibadan Expressway, Ogun State
NIGERIA
Web: nga.sika.com

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