

RC SILOXCOAT R

WATERPROOFING AND VAPOR-OPEN COATING BASED ON SILOXANE RESIN

Paints



ADVANTAGES OF RC SILOXCOAT R

- ✓ Highly permeable to water vapor
- ✓ Self-cleaning and dirt-resistant
- ✓ No growth of micro-organisms
- ✓ Very riving rain-proof
- ✓ Environmentally friendly

Description

RC SILOXCOAT R is a lime-matt, water vapor permeable, driving rain-proof and dirt-repellent water-based facade paint based on a silicone resin emulsion.

RC SILOXCOAT R is suitable for use on new facades or for renovation of old facades with substrates such as cementation, bricks, limestone, old acrylic paints, old silicate paints, silicate plasters, mineral plasters, well-adhering silicate and matt dispersion paint layers, synthetic resin plasters and facade insulation systems.

Properties

The specially developed silicone dispersion creates a waterproof, water vapor permeable paint layer with these properties:

- Self-cleaning properties and dirt-repellent;
- Good adhesion on mineral and non-mineral surfaces (not moist);
- CO₂-permeable;
- Very permeable to water vapor;
- Highly impervious to driving rain;
- No growth of micro-organisms;
- No influence of moisture on the color;
- Very good UV-resistance;
- Good pearl effect;
- Practically odorless;
- Environmentally friendly.

Substrate

The surface must always be clean and dry. If faults, such as cracks, are present on the surface to be treated, which may lead to water infiltration, these must first be remedied by suitable means. Dust and other impurities can be removed with a high-pressure cleaner. Treat stubborn growth of fungi, algae or mosses beforehand with RC KILGREEN (see technical data sheet), followed by thorough cleaning. Wait for complete drying before applying the paint system. Treat any salt deposits from masonry first with RC SULFASTOP ZB or RC NITRABLOCK (see technical data sheets).

RC SILOXCOAT R is applied in 2 layers with a maximum dilution of 5% water. For old acrylic or silicate paints we recommend diluting the first layer of RC SILOXCOAT R with 10% water. Highly porous surfaces and smooth plaster should first be impregnated with a layer of RC SILOXCOAT FOND.

Application instructions

Apply in two coats by brush, roller or airless pistol with a maximum dilution of 5% water. Normal drying time between coats is 4 hours at 20°C and a maximum relative humidity of 65%. The minimum film forming temperature of RC SILOXCOAT R is 10°C.

Application methods

Brush and roller:	Dilution with maximum 5% water
Airless pistol:	Dilution with 10% water
Spray pressure:	160-220 bar
Nozzle opening:	415-421 or 515-521 mm
Spray angle:	40-60°

Consumption

Theoretical consumption: 6-8 m²/liter/coat.

Technical information

Type of raw materials:	Copolymer acrylate and siloxane resin
Color:	White and light colors according to Reynchemie colorsystem
Gloss:	Extra matte
Density:	± 1,50
Dry matter content:	± 61% (by weight) ± 53,5 % (by volume)
Breathability:	$s_d = 0,03$
Diffusion resistance:	$W = 0,08$ (kg/m ² h ^{1/2})
Recoatable:	4 hours (at 20°C / 65% r.h.)
VOC:	EU-value for this product (Cat.IIA/i): 140 g/l (2007) – 140g/l(2010) The current value for this product is 77g/l

Resistant to wet rubbing in accordance with class 2.

Color possibilities

RC SILOXCOAT R is available in many colors according to the Reynchemie color system. Bright and intensive colors such as yellow, orange, red etc. have a moderate opacity. It is recommended to apply a primer in approximately the final color. A second finish may be necessary.

Security

Consult the most recent Safety Data Sheet.

Remarks

- Do not use in direct sun or when the outside temperature is below 5°C, with high humidity, strong wind, fog or when there is a risk of rain or night frost.
- Ideal weather conditions are between 10°C and 30°C outside temperature.
- To avoid stains on large surfaces, sufficient personnel must work continuously wet-in-wet.
- RC SILOXCOAT R is not suitable for horizontal surfaces on which water can collect.
- Do not add any other products.

Cleaning of equipment

With water after use.

Storage / Shelf life

12 months in the original, unopened packaging in a frost-free place.

Packaging

5 liters (item no. 81502) and 12,5 liters (item no. 81500).

Photos



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Legal Notes

The information, and, in particular, the recommendations relating to the application and end-use of Reynchemie products, are given in good faith based on Reynchemie current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Reynchemie 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. Reynchemie 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.