



Silancolor Paint

High vapour-permeable and water repellent silicon based paint in water dispersion for exteriors



WHERE TO USE

Painting surfaces when a prestigious aesthetic effect, very high water repellence and excellent vapour-permeability is required for the substrate.

Some application examples

- Decoration of all cement or lime based renders.
- Decoration of **Mape-Antique** based renders.
- Decoration of dehumidifying renders.
- Re-painting over old paint.

TECHNICAL CHARACTERISTICS

Silancolor is a silicon resin based paint that has the advantages of traditional mineral based paints (**Silexcolor Paint**) as well as synthetic paints. Thanks to **Silancolor Paint**'s special formula, it makes the substrate very permeable to water vapour and is considerably water repellent. Unlike normal synthetic paints, **Silancolor Paint** does not create a film that is waterproof to water vapour because it creates a porous film and at the same time the use of special silicon resins does not let liquid water penetrate, ensuring an always dry render.

Silancolor Paint adheres perfectly onto all types of traditional renders, dehumidifiers and well

bonded old paints. Its water repellent nature protects the substrate from chemical aggression, does not dirty easily, is durable and highly resists cleaning.

Silancolor Paint highly resists alkalis, cleaning, U.V. rays and ageing without altering its properties.

Silancolor Paint does not only protect the surface, but has a very pleasing smooth, opaque and velvet effect to the touch.

Silancolor Paint is available in a vast range of colours which are obtained with the **ColorMap®** colour system.

Silancolor Paint is also suitable for applications in interiors on gypsum or old paints as long as well bonded to the substrate, do not chalk and **Silancolor Primer** has been applied previously.

APPLICATION PROCEDURE

Preparing the substrate

New surfaces that need to be treated or any reparation with repair mortars must be cured, perfectly clean, well bonded and dry. Remove completely any traces of oils or grease on the surfaces and any loose parts. Seal cracks and repair damaged concrete with mortars from the



TECHNICAL DATA (typical values)	
DESCRIPTION	
silicon resin based paint for exteriors/interiors	
USAGE	
the product is applied on all wall surfaces when a prestigious aesthetic effect, very high water repellence and excellent vapour-permeability is required for the substrate	
CHARACTERISTICS	
Aspect:	liquid
Dry solid content (%):	65
Specific gravity (g/cm³):	approx. 1.55
Theoretic yield:	4-6 m ² /kg
Wet scrub resistance after 4 days:	>10,000 cycles
Wet scrub resistance after 200 hours WOM:	>10,000 cycles
Wet scrub resistance after 400 hours WOM:	>10,000 cycles
Colour changes after 200 hours exposition WOM:	$\Delta E < 1$
Water vapour diffusion μ (DIN 52615):	600
Water vapour diffusion resistance of 100 μm coating layer, equivalent air layer thickness, s_d (DIN 52615):	0.06
Liquid water transmission rate W (DIN 52617) in kg/(m²·h^{0.5}):	0.06
Sd·W = 0.06·0.06 kg/(m·h^{0.5}): <i>Silancolor Paint is according to Kuenzle theory (DIN 18550) because the value of Sd·W is less than 0.1</i>	$3.6 \cdot 10^{-3}$
Hazard classification according to EEC 88/379:	none
PREPARATION	
Thin Silancolor Paint with 15-25% water and mix until	completely homogeneous
DRYING	
by air	
Can be painted over:	24-48 hours

Mapegrout range. Seal pores and level any uneven parts of the substrate with **Monofinish** or **Mapefinish**.

Apply **Silancolor Primer** (ready-to-use). After 12-24 hours apply **Silancolor**.

Preparing the product

Thin **Silancolor Paint** with 15-25% water making sure to mix thoroughly, possibly using a low speed mixing drill.

For partial quantities, it is recommended to mix **Silancolor Paint** as it is before using the needed quantity.

Applying the product

Silancolor Paint is applied using conventional methods: brush, roller, spray or airless on the special dry **Silancolor Primer**.

The protection cycle requires at least two coats of **Silancolor Paint** every 24 hours in normal humidity and temperature conditions.

Instructions for the preparation and application

Do not apply **Silancolor Paint** in case of rain forecast or windy days.

Silancolor Paint does not contain solvents therefore does not require different precautions from those usually adopted for water-based paint products. If the product is applied in closed areas, provide suitable ventilation. In case of contact with eyes, wash with plenty of water and consult a doctor. Do not apply in temperatures below +10°C. Do not apply when moisture is above 85%.

Cleaning

Brushes, rollers or spaying equipment (airless) can be cleaned with water before **Silancolor Paint** dries.

CONSUMPTION

200-300 g/m² (reference is made to two coats of the product).

PACKAGING

Silancolor Paint is supplied in 20 kg plastic drums.

STORAGE

24 months if stored in a dry place, far from heat sources and at a temperature between +5°C and +30°C.

WARNING

N.B. - Although the technical details and recommendations contained in this product report correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical applications: for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application: in every case, the user alone is fully responsible for any consequences deriving from the use of the product.

**All relevant references
of the product are available
upon request**



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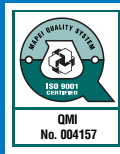
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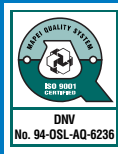
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