



KÖSTER Silicone Paint White

Technical Data Sheet P 260 010

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Silicone resin paint for painting exterior or interior, rendered and mineral-plaster covered surfaces

Features

KÖSTER Silicone Paint White is a matt, water-soluble, capillary-hydrophobic façade paint based on silicon resins with special bonding enhancers and special non-wetting-surface effect. It dries to a smooth finish and has a highly vapour-permeable surface. It has a high water-repellent effect, high CO₂ and water vapor permeability, very good weather resistance and is resistant to driving rain. In addition, it is characterized by a spotless and low-tension drying, as well as a very good opacity, a high degree of whiteness and a low tendency to soiling.

Advantages

- Low consumption due to high opacity
- The white color reduces heat and energy costs
- Provides a hydrophobic surface keeping walls dry
- Maintains the breathability of the structure
- Can be pigmented to the desired color

Technical Data

Basis	Silicone resin emulsion / Synthetic resin disp.
Density (+ 20 °C)	approx. 1,5 g/ml
pH-Value	9-10
Water permeability rate W	≤ 0,1 kg/m ² ·h ^{0,5}
Water vapor diffusion	Class W ₃ , (DIN EN 062-3) approx. 2000 g/m ² ·d Class V ₁ , (DIN EN 1062-3) ≤ 0,05 m (DIN EN 7783-2)
Sd value	+ 5 °C to + 30 °C
Application temperature	approx. 6 hrs.
Surface dry after*	after approx. 2 days
Fully dry	approx. 6 hrs.
Can be painted over after*	can be adjusted using conventional pigment pastes
Colors	

*(20 °C/65 % rel.Hum.)

Fields of Application

KÖSTER Silicon Paint White is designed for durable paint coatings on smooth and rough renders / plasters. Because of its excellent water vapour permeability it is especially suited for the outer colouring of KÖSTER Restoration Plaster systems.

The paint is also suited for exposed masonry made of lime stone, brick and other mineral substrates. Applied in the preservation of historical monuments, KÖSTER Silicon Paint White offers optimal protection of the building substance because of its low water absorption and its high water vapour permeability. KÖSTER Silicon Paint White is also suitable for interior use where a breathable paint is desirable e.g. after application of Köster Restoration Plaster. It should be noted that future overcoating of all silicon paints with other types of decorative coating can be problematic, due to lack of adhesion.

Substrate

The substrate has to be level, sound, clean, dry and frost-free. All lime-cement and cement plasters of mortar groups CS II to CS IV according

to DIN EN 998-1 as well as synthetic resin, silicone and silicate plasters are suitable. If there is any salt efflorescence, the cause must first be eliminated, then the salt efflorescence must be brushed dry and the surfaces as well as slightly crumbly old plastered surfaces hardened with KÖSTER Polysil TG 500. Loose plaster parts are to be removed and repaired with e.g. KÖSTER WP Mortar, KÖSTER Restoration Spackle or plaster. KÖSTER Silicone Paint White should only be applied after the plaster has hardened completely. A preliminary test may be required.

Application

The paint should be stirred well before application. It can be applied using a brush, roller or suitable spraying equipment. For priming, dilute KÖSTER Silicone Paint White with up to 10% water. The main coat is applied after the primer has dried fully.

Do not apply the paint if either the outside temperature or the substrate temperature is below + 5 °C or if the surface to be painted has been heated up by the sun. Drying time at + 20 °C and 65 % relative humidity is approx. 12 hours. Lower temperatures and higher humidity prolong the drying time.

Consumption

Approx. 0.2 l/m² per coat

The material consumption can vary due to the processing and the nature of the substrate.

Cleaning

Clean tools with water immediately after use.

Packaging

P 260 010 10 l bucket

Storage

Store the material in a cool but frost-free and dry place. In originally sealed packages, it can be stored for min. 1 year. Opened packages should be used up shortly.

Other

- Not suitable on horizontal and inclined surfaces that are exposed to the weather
- Different batches must be mixed before processing. Slight color deviations between the individual batches are possible.
- Do not apply the material on water saturated substrates

Related products

KÖSTER Polysil TG 500	Prod. code M 111
KÖSTER Hydrosilicate Adhesive SK	Prod. code M 170 020
KÖSTER Restoration Spackle	Prod. code M 656 025
KÖSTER Restoration Plaster Grey	Prod. code M 661 025
KÖSTER Restoration Plaster White	Prod. code M 662 025
KÖSTER Restoration Plaster White/Fast	Prod. code M 663
KÖSTER Restoration Plaster White/Light	Prod. code M 664 020
KÖSTER Hydrosilicate Board	Prod. code M 670

The information contained in this technical data sheet is based on the results of our research and on our practical experience in the field. All given test data are average values which have been obtained under defined conditions. The proper and thereby effective and successful application of our products is not subject to our control. The installer is responsible for the correct application under consideration of the specific conditions of the construction site and for the final results of the construction process. This may require adjustments to the recommendations given here for standard cases. Specifications made by our employees or representatives which exceed the specifications contained in this technical guideline require written confirmation. The valid standards for testing and installation, technical guidelines, and acknowledged rules of technology have to be adhered to at all times. The warranty can and is therefore only applied to the quality of our products within the scope of our terms and conditions, not however, for their effective and successful application. This guideline has been technically revised; all previous versions are invalid.

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KÖSTER WP Mortar

Prod. code W 534 025

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