

TECHNICAL SHEET 10.04.05-EN



SILICONECOLOR

Silicone façade paint with micro-reinforcement effect

1. Description, Application

SILICONECOLOR is a micro-reinforced façade paint based on water dispersion of silicone binders. It is suitable for decorative protection of all types of solid, embossed or rough and smoothed or fine rough, also repaired and, with regard to roughness, non-equalised façade surfaces (at least a month old lime-cement and cement render finishes, at least a month old unplastered concrete façade surfaces, fibre-cement and similar façade boards and similar). The paint film reinforced with thin synthetic fibres does not crack on spots of too-thick applications in furrows, channels and holes and it also fills well hair-cracks, i.e. cracks up to 0.3 mm wide. Application is also possible to well adhered old acrylic, silicate and silicone paint coats and decorative render finishes of all types. Painted surfaces remain resistant to infection with the most widespread types of wall algae and mould for a long time. The paint is distinguished by excellent coverage, good water vapour permeability and high water repellence.

2. Colour Shades

- white (colour shade 1001)
 - color shades according to the color chart JUB Favorite Feelings [Tinting Shades Aggregation]
 - color shades marked with * from the JUB PAINTS AND RENDERS colour chart whose code's last figures are 0, 1, 2, 3, 4 and 5 (on JUMIX tinting stations at points of sale)
 - tinting is also possible by some foreign colour charts* (on JUMIX tinting stations at points of sale)
 - delivery in colour shades designed at a special request of a customer is possible under certain conditions
- Paints of various colour shades can be mixed in optional ratios

3. Technical data

Packaging	5l, 15l
Density	~1.61 kg/dm ³
Content of vaporous substance (VOC)	13 g/l
The EU VOC requirement - category	A/c<40
Water dilution mass	6.2%

Water dilution volume		10%	
Drying time T = +20 °C, relative air humidity = 65 %	Touch dry	3h	
	Suitable for further treatment	6h	
Consumption		200-400 ml/m ²	
Recommended number of layers		2-3	
Characteristics of a dry paint film	Vapor permeability EN ISO 7783-2	μ, coefficient	<499.9
		value Sd (d = 100 μm)	<0.11 m class 1 (high water vapour permeability)
	Water absorption w ₂₄ (EN 1062-3)		<0.05 kg/m ² h ^{0,5}
	Water absorption class		W3 - class 3 (Low)
	Adhesion to conventional lime-cement (EN 1542)		>0.5 MPa
Appearance		matt	

4. Installation Conditions

The temperature of the air and the wall base should be from +5 °C to +30 °C, and the relative air humidity should not be higher than 80%. Protect façade surfaces against the sun, wind and rainfall with curtains; however, do not conduct any work in rain, fog or strong wind (≥30 km/h) despite such protection.

5. Surface Preparation

Surface should be solid, dry, and clean – without any badly-adhered particles, dust, remains of panelling oils, fat, or other dirt.

Drying time of new renders and levelling compounds in normal conditions (T = +20 °C, relative air humidity = 65 %) is at least 1 day for each mm of thickness, while for concrete surfaces the drying time is at least one month. In case of paint renovation, thoroughly remove from the surface all old badly-adhered coatings, slurries and other decorative coats, all of which get easily soaked in water.

Washing with a high-pressure water blaster (hot water or steam) is especially recommended mainly for very dirty façade surface, and façade surfaces infected with wall algae and mould. Disinfect such surfaces after they are washed.

In the event of potential repairs of façade surfaces that have been damaged in any way, follow only procedures, which assure, concerning roughness, as high a level of equalisation as possible to the repaired surface. The application of primer is mandatory, both prior to first painting as well as prior to renovation painting. We recommend water-diluted SILICONE Primer or water-diluted JUKOL Primer. If the surface is hair-cracked, cover it with REVITAL Primer once or twice.

For technical information on these primers, please read the technical data sheet.

6. Preparation of Paint

Only stir the paint well before use and, if necessary, dilute it with water in accordance with consistency corresponding to application technique and conditions (see table above).

The color of the same shade, which is used to paint larger areas is equalized in a sufficiently large container from at least three buckets, when one third of the equalized color is used, a new color is added to the container and it is equalized with the rest of the color from before. White tinting is not required.

Any “repairs” of the paint during application (adding tinting agents, diluting, and similar) are not allowed.

7. Paint Application

Paint is applied in two (exceptionally three) coats using a long-bristle fur or textile paint roller (length of hairs or threads is 18 - 20 mm; the following can be used: natural and artificial fur or textile linings made of different synthetic threads –vestan, dralon, nylon, perlon or polyester), or a painting brush suitable for application of dispersion wall paints.

The second or the third application can be applied only onto a completely dry previous coat – in normal conditions

($T = +20\text{ }^{\circ}\text{C}$, relative air humidity = 65 %) it is usually after approximately 6 hours (in case of lower temperatures and high relative air humidity drying time can be substantially extended!). An individual wall surface is painted without interruptions from one end to the other. Without prejudice to the before stated, always treat surfaces inaccessible for a standard long-bristle paint roller (corners, gutters, narrow reveal surfaces, and similar) first using suitable brushes or smaller paint rollers adjusted to existing conditions.

In normal conditions ($T = +20\text{ }^{\circ}\text{C}$, relative air humidity = 65 %), resistance of freshly painted surfaces to damage caused by precipitation (washing away of paint) is achieved in 24 hours at the latest.

Thoroughly clean the tools with water immediately after use.

8. Maintenance and Restoration of Painted Surfaces

Painted façade surfaces do not require any special maintenance. The non-adhering dust and other non-adhering filth can be swept, vacuumed or washed away by water. Adhering dust and more obstinate stains can be removed by light rubbing with a wet cloth or sponge soaked into a solution of usual universal household preparations and washed away by clean water.

Restore paint on surfaces, which cannot be cleaned of filth and stains in the above described manner. Restoration painting should include a new two-layer paint application as described in the chapter entitled "Paint application". Always apply adequate primer. It is possible to apply paint directly onto a surface only in case no more than two years have elapsed since the last painting.

9. Storage, Transportation Conditions and Durability

Storage and transportation at temperature $+5\text{ }^{\circ}\text{C}$ to $+25\text{ }^{\circ}\text{C}$, protected from the direct sunlight, out of reach of children, MUST NOT FREEZE! Durability when stored in originally sealed and undamaged packaging: at least 18 months.

10. Other Information

Technical instructions in this brochure are given based on our experiences and are given as a guideline for achieving optimal results. We cannot take any responsibility for the damage, caused by incorrect selection of a product, incorrect use or unprofessional work.

Safety measures: Follow the instructions on the safety data sheet of the product.

The colour shade may differ from the print in the colour chart or from the approved sample. However, the total colour difference ΔE_{2000} for colour shades from the JUB FAVOURITE FEELINGS colour chart – it is determined in accordance with the ISO 7724/1-3 and by a mathematical model CIE

ΔE_{2000} – doesn't exceed 1.5. If you wish to check the colour shade, dry the application of a render on a test surface correctly and check a standard of the concerned shade, which is stored in TRC JUB. Paint manufactured by other colour charts is the best possible approximation for JUB's primers and tinting agents. Therefore in such cases the total colour difference from the desired nuance may be even higher than the value guaranteed above.

Difference in colour

shade, which is a result of unsuitable working conditions, of a colour preparation technique, which differs from the one in this technical sheet, failure to follow the equalization rules, application of the compound onto an unsuitably prepared, overly or not enough absorbing surface, more or less coarse surface, on wet or not dried enough surface, cannot be subject of complaint. For painting facade surfaces, especially the final layers of facade thermal insulation systems, we recommend a paint with a brightness (Y) above 25. Darker colors and colors with intense color tones are less durable in difficult operating conditions, less resistant to being washed away by rainwater and more prone to chalking. We do not accept complaints about changes that, as a result, can appear mainly in the form of faster fading on exposed facade surfaces. Therefore, regarding the conditions of use of such paints and the maintenance of repainted surfaces, consult our experts separately for each specific case. A list of controversial color shades in this regard is available in stores with JUMIX tinting stations and in our sales and technical information service.

This technical sheet supplements and replaces all preceding editions. We reserve the right to change and supplement data in the future.

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