

TECHNICAL SHEET 01.03.03-EN



SILICATE Primer

Silicate primer

1. Description, Application

SILICATE Primer is a primer based on potash water glass and intended for lime and lime-cement façade and interior wall surfaces before they are painted with silicate paints and prior to the application of silicate decorative renders. SILICATE Primer can also be used to dilute silicate wall paints and other silicate coats as well as silicate decorative renders.

It chemically binds to lime in the surface, equalises it with regard to water absorption, and binds dust and other badly adhered particles, which could not have been removed with cleaning for whatever reason.

2. Colour Shades

- milky thin liquid

3. Technical data

Packaging	5 l	
Density	1.048 kg/dm ³	
Water dilution - ratio	1:1	
Drying time T = +20 °C, relative air humidity = 65 %	Touch dry	2 h
	Suitable for further treatment	12 h
	Resistance of the surface to being washed out by precipitation water is achieved	24 h
Content of vaporous substance (VOC)	3 g/l	
The EU VOC requirement - category	A/g <30	
Consumption	90-100 ml/m ²	

Recommended number of layers

1

4. Installation Conditions

The temperature of the air and the wall surface should be between +8°C and +30°C and the relative air humidity should be below 80 %. Protect façade surfaces from sun, wind and rainfall using protective scaffold nettings; 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 without any badly-adhered particles, dust, remains of paneling oils, fat, or other filth. Washing the surface with a high-pressure water blaster (hot water or steam) is especially recommended mainly for very dirty façade surfaces and façade surfaces infected with wall algae and mould. Such surfaces must be disinfected after washing.

In normal conditions ($T = +20$ °C, relative air humidity = 65 %), let the newly applied renders and levelling compounds dry or mature for at least 1 day for each mm of their thickness. 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.

In the event of potential mending of façade surfaces that have been damaged in any way, follow only procedures, which ensure, concerning roughness, as high a level of equalisation as possible to the mended surface.

6. Instruction for Use

Prior to application, stir the product well and dilute it with water at a ratio of 1:1. In case you wish to undercoat the surface with a primer at least to a certain degree, mix it with water and one of JUB's silicate wall paints (REVITALCOLOR Silicate can be used, and also JUPOL Bio silicate for the preparation of interior surfaces) at a ratio of 1 : 1 : 1. Quantities necessary to coat individual surfaces are calculated or estimated on the basis of the area of these surfaces and data on consumption rate, and, in specific cases, consumption is determined by making measurements on a test surface that is large enough.

Apply the primer in one coat with a paint brush suitable for the application of dispersion coats or a long-bristle fur or textile painting roller (length of hairs or threads is 18 - 20 mm; the following can be used: artificial fur or textile linings made of different synthetic threads – polyamide, dralon, vestan, nylon, perlon or polyester). When applying the paint with a roller, use a suitable bucket grid.

Paint an individual wall surface without any interruptions from one corner of the wall to the other. Always treat surfaces inaccessible to 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.

Wash the tool thoroughly with water immediately after use, dried stains cannot be removed.

Unused paint (only the undiluted kind!) should be stored in a tightly sealed container for potential repairs or future use.

Approximate or average consumption for preparing the undercoat mixture:
SILICATE Primer approximately 60-70ml/m²

7. Storage, Transportation Conditions and Durability

Storage and transportation at temperature +5°C to + 25°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 12 months.

8. Other Information

Technical instructions 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. JUB also bears no responsibility in cases where the substrate for the application of our products is prepared inadequately or with materials of inadequate quality from other manufacturers. In the case of applying our products to existing substrates of old coatings or pre-prepared substrates with materials from other manufacturers, it is obligatory to make appropriate test fields with all the intended applications of JUB products, in accordance with the technical instructions, before starting the work.

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

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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