

TECHNICAL SHEET 01.02.01-eng

PRIMERS

SILICATEPRIMER (JUBOSIL GX)

Silicate primer

1. Description, Application

SILICATEPRIMER 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**. SILICATEPRIMER 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. Packaging

Plastic containers holding 5 liters

3. Technical Data

Density (kg/dm ³)		~1.05
Drying time T = +20 °C, relative air humidity = 65 % (hours)	Touch dry	~2
	Suitable for further treatment	~12
	Resistance of the surface to being washed out by drainage water is achieved	~24
Content of vaporous organic substances (VOS) (g/l)		<3 The EU VOS requirement – category A/g (from 1 January 2010): <30

Main ingredients: styrene-acrylate binder, potash water glass, water

4. Surface Preparation (if the product is used as a primer)

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.

5. Instructions for use (if the product is used as a primer)

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 (JUBOSILCOLOR SILICATE or REVITALCOLOR SILICATE can be used, and also JUPOL SILIKAT 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 to 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.

The application of the primer is possible only in suitable weather or microclimate 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.

Approximate or average consumption:
 SILICATEPRIMER 90 - 100 ml/m², depending on absorption and roughness of the surface
 or
 approximately 60 – 70 ml/m² for the preparation of the mixture for undercoating.

6. Tool Cleaning, Waste Management

ATTENTION! Prior to applying silicate coats, protect window and door frames, window sills, as well as window glasses and other exposed surfaces well, since stains cannot be removed.

Clean the tools with water immediately after use.

Keep unused primer (only the one that has not been diluted!) in a well sealed packaging for potential repairs or later use. Waste liquid remains must not be emptied into drains, watercourses, or environment and they must not be disposed together with domestic wastes. Mix them with cement (hardened mortar remains and wastes, sand or sawdust may be added to them) and when they harden, deposit them onto the dumping grounds of construction waste (waste classification number: 17 09 04) or municipal waste (waste classification number: 08 01 12).

Cleaned packaging can be recycled.

7. Safety at Work

When applying the product, follow general instructions and regulations for construction and painting works.

The product contains potash water glass, which irritates eyes and skin, therefore use suitable protective means while working.

In case of contact of the product with skin and eyes, rinse with water. Seek medical help.

8. Storage, Transportation Conditions and Durability

Storage and transportation at temperatures between +5°C and +25°C, protected from direct sunlight, out of the reach of children, IT MUST NOT FREEZE!

Shelf life when stored in an originally sealed and undamaged packaging: at least 12 months.

9. Quality Control

The product's quality characteristics are determined by the internal manufacturing specifications as well as by the Slovenian, European and other standards. JUB ensures achieving of the declared or set quality level by the ISO 9001 system for total quality management and control, which has been implemented at JUB for many years and which comprises daily quality checks in its own laboratories, occasionally at the ZAG Construction Institute in Ljubljana and other independent expert institutions in Slovenia and abroad. During the manufacturing process, JUB strictly complies with the Slovenian and European standards for protection of the environment and for ensuring security and health at work, which is confirmed by the ISO 14001 and OHSAS 18001 certificates.



10. Other Information

The technical instructions in this brochure are given based on JUB's experience and are given as a guideline for achieving optimum results. JUB cannot accept any responsibility for the damage caused by incorrect selection of a product, incorrect use or unprofessional work.

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

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