

TECHNICAL SHEET 08.01.09-EN



JUBIZOL Finish S 1.0 mm

Siloxanized decorative render finish

1. Description, Application

JUBIZOL Finish S 1.0 mm is a thin-layer high-quality render with a characteristic uniform grain surface made on polymer binders. It is intended for the decorative protection of panel surfaces, decorative edges around window and door openings, built-in installation cabinets and other openings on the facade. It can also be used to process corners and angular edges on objects in strips a few centimeters wide. It can also be used to create strips a few centimeters wide, which appropriately divide larger wall areas into several smaller ones. With a special chemical composition, we have enabled improved adhesion of the protective tapes. It adheres well to all finely rough construction substrates: to basic plasters of facade thermal insulation systems, to classic fine lime-cement and cement plasters, to smoothed concrete surfaces, as well as to fiber-cement and plasterboard boards, chipboards, etc. In addition to high strength, it is also characterized by high water repellency. Due to its high vapor permeability, it can also be used to make slats, decorative edges in contact facade thermal insulation systems on mineral wool. Good resistance to the effects of flue gases, UV rays and other atmospheric elements ensures its durability in all climatic conditions, even on the facade surfaces of high-rise buildings with minimal roof eaves, which are heavily exposed to precipitation. Treated surfaces are guaranteed long-term resistance against infection by wall algae and mold, so adding biocidal substances before installation is not necessary.

2. Colour Shades

- white (shade 1001)
- Colour shades according to the JUB Home of Colours color chart C-G, N, T, W with limitations
- Colour shades according to the JUB Favourite Feelings color chart C-G

Delivery in shades designed at a special request of the customer is possible under certain conditions

3. Technical data

Packaging	25 kg
Density	~1.693 kg/dm ³
Water dilution	1 dl/bucket

Layer thickness		~1,0 mm
Drying time	Touch dry	~6 h
T = +20 °C, relative air humidity = 65 %		
Average consumption		~2.1 kg/m ²
Vapor permeability EN ISO 7783-2	coefficient μ	<90
	value Sd (d = 1,0 mm)	<0.09 m (class 1)
Water absorption w ₂₄ (EN 1062-3)		<0.06 kg/m ² *h ^{0,5}
Water absorption class		W3
Adhesion according to EAD 040083-00-0404, point 2.2.20.2		>0.3 MPa

4. Installation Conditions

Temperature of air and wall surface should not be lower than +5 °C or higher than +30 °C, and relative air humidity should be <80 %. Façade surfaces should be protected from the sun, wind and precipitation by using curtains, and despite this protection, the rendering should not be done during rain, fog or strong wind (≥ 30 km/h).

5. Surface Preparation

The surface should be slightly rough (ideal is the roughness of a conventionally smoothed fine plaster of 1.0 mm granulation), solid (compressive strength of at least 1.5 MPa – CS II by EN 998-1), dry and clean, without weakly bound particles, dust, easy water-soluble salts, oil stains and other filth. Any smaller uneven parts – protrusions and indentations – hinder the smoothing of the applied render finish; therefore it is important to attend to the preparation of the surface.

Prior to the application of a decorative render finish, the newly applied base-coats have to dry at least 7 to 10 days for each cm of its thickness. Decorative render finishes are applied to new concrete surfaces only a month after concreting (stated drying times of the surface are valid in normal conditions: T = +20 °C, relative air humidity = 65 %). Coatings, slurries and other decorative coats have to be removed from old solid plasters/renderers. After the surface had been cleaned, it should be thoroughly dusted by washing and, if necessary, mended and levelled. Washing the surface with a high-pressure water blaster (hot water or steam) is especially recommended in the case of fibre-cement boards and all concrete surfaces since it removes panel oil from new surfaces and soot, moss, lichen, remains of old coatings and similar from old ones.

The base is coated with JUBIZOL Unigrund primer, chosen in a shade as close as possible to the color of the render.

The application of a render finish should start only when a primer is dried through. In normal conditions (T = +20 °C, relative air humidity = 65 %), at least 12 hours after application of base coat.

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

6. Preparation of Render Finish for Application

Prior to application, stir the render finish with an electric mixer, and, if necessary (only exceptionally), dilute it with water (maximum 1 dl per container). The colour shade must be checked; then, equalize the render finish in order to remove even the slightest or imperceptible differences in colour shade between individual buckets. Stir the content of four buckets well in a large container of appropriate size. When a quarter of the so prepared compound is used, the content of the next bucket is poured into the container and mixed properly with the rest of the render finish, etc. Equalisation of white renders, which belong to the same production batch or to the same production date and which have not been diluted, is not necessary.

Reworking the render finish during application (adding tinting agents, diluting, and similar) is not allowed.

7. Application of Render Finish

The render finish is applied manually - using a stainless steel smoothing trowel – or by spraying – in the thickness slightly above the diameter of the thickest grain. When the render finish is applied by spraying, follow the instructions of the producer of the mechanical equipment. Immediately after the application, smooth the surface with a solid plastic finishing trowel. Perform the smoothing by circular strokes until an evenly grained structure is achieved. Move the grains in the applied render finish coat as little as possible during smoothing to avoid material bulges in front of the trowel. Reasons for their occurrence are mostly a too thick render layer or an uneven or a not well enough prepared substrate. At the end – a few minutes after smoothing, push protruding lumps into the surface by smoothing the surface slightly using a clean stainless steel smoothing trowel.

It is intended for the decorative protection of panel surfaces, decorative edges around window and door openings, built-in installation cabinets and other openings on the facade. It can also be used to process corners and angular edges on objects in strips a few centimeters wide. It can also be used to make gutters that appropriately divide larger wall surfaces into several smaller ones. Slatted surfaces, decorative borders and gutters are usually made before the installation of decorative plaster. After production, they are properly protected so that they are not damaged when the final layer is applied to the facade surfaces.

In normal conditions ($T = +20^{\circ}\text{C}$, relative air humidity = 65 %), resistance of freshly processed surfaces to damage caused by precipitation (washing away of the application) is achieved in 24 hours at the latest. Thoroughly clean the tools with water immediately after use. Dried stains cannot be removed.

8. Maintenance and Restoration of Treated Surfaces

Surfaces processed with JUBIZOL Finish S 1.0 mm do not require any special maintenance. Sweep, Hoover or wash with water the non-adhered dust and other non-adhered filth. Remove adhered dust and more obstinate stains by light rubbing using a soft brush soaked into a solution of universal household preparations. Then wash the surface with clean water.

However, where filth and stains cannot be removed applying the methods described above, renovation painting is conducted. Apply two coats of micro-reinforced façade paints REVITALCOLOR, micro-reinforced façade paint SILICONECOLOR or acrylic façade paint ACRYLCOLOR onto a prior coat of an appropriate primer.

9. Storage, Transportation Conditions and Durability

Storage and transportation at temperatures between $+5^{\circ}\text{C}$ and $+25^{\circ}\text{C}$, protected from direct sunlight, out of the reach of children, **MUST NOT FREEZE!**

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

10. 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.

If applied within External Wall Insulation systems, render finishes shall have brightness (Y) over 25. Darker render finishes and render finishes of intensive colour shades, which can be achieved only with organic pigments, are less stable under heavy conditions of use, somewhat less resistant to being washed out by precipitation and tend to chalk more. Complaints about changes, which might thus occur on exposed facade surfaces, especially in the form of faster bleaching, will not be accepted. Therefore, one should consult JUB's experts for each case individually regarding conditions for the application of such renders and the maintenance of processed surfaces. The list of such susceptible colour shades is available at stores where JUMIX tinting stations are located as well as in our sales and technical information departments.

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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