

TECHNICAL SHEET 08.06.05-EN



VALIT

For rustic appearance of interior and façade surfaces

1. Description, Application

VALIT is pasty thin-coat render finish with a more or less relief surface and based on the combination of cement and polymeric binders. It is intended for decorative protection of interior wall surfaces and also facade surfaces of maximum two-floor high buildings, which are relatively well protected against rainfall by adequately wide eaves. The appearance of the relief surface depends on the application technique and a tool used for structuring of the applied render finish. It adheres well to all coarse construction surfaces: conventional fine lime-cement and cement renders, base coats of External Wall Insulation (EWI) systems, smoothed concrete surfaces, as well as fibre-cement boards and gypsum-cardboards, chipboards and similar. It complies with requirements of the harmonised SIST EN 998-1 standard. It is distinguished by high water vapour permeability and good adhesion to the surface as well as relatively good resistance to effects of smoke and ultraviolet rays.

2. Colour Shades

- natural white (shade 1001)

3. Technical data

Packaging		20 kg
Density		~ 1.65 kg/dm ³
Water dilution		See section 6.
Layer thickness		~1-3 mm
Drying time T = +20 °C, relative air humidity = 65 %	Touch dry	6h
	To achieve resistance against leaching with rainwater	~24 h
Average consumption		~2 kg/m ²
Vapor permeability EN ISO 7783-2	coefficient μ	<20

	value Sd (d = 3,0 mm)	<0.06 m class 1
Water absorption w ₂₄ (EN 1062-3)		<0.35 kg/m ² *h ^{0,5}
Water absorption class		class W2
Compressive strength (EN 1015-11)		>12 MPa
Compressive strength class		CS IV
Adhesion (EN 1015-12)		1,4 MPa 10 % B, 90 % C B ... fracture in the render finish C ... fracture in the test surface
Adhesion after weathering (EN 1015-21)		0,9 MPa 50 % B, 50 % C B ... fracture in the render finish C ... fracture in the test surface
Reaction to fire		A1
Thermal conductivity		0,93 W/mK

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 render of 1.0 mm granulation), solid (compressive strength of at least 1.5 MPa – CS II according to EN 998-1), dry and clean, without weakly-adhered 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 the decorative render finish, the newly applied base coats have to dry at least 7 to 10 days for each cm of their 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 %). Remove all coatings, slurries and other decorative coats from old solid renders. After the surface had been cleaned, dust it thoroughly by washing and, if necessary, repair and level it. 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

Prepare the render finish in a concrete mixer or in a plastic container of appropriate size if a manual electric mixer is used for the preparation of the render finish. Pour the content of a bag (20 kilos) into 2 kilos of ACRYL Emulsion diluted with 4 liters of water and stir well to obtain a homogenous compound without any lumps. Wait for 10 minutes for the compound to swell. Then stir it well again. If necessary, add a little water.

In normal conditions (T = +20 °C, relative air humidity = 65 %), the prepared render finish must be used within 2 hours.

In case more than one bag of the render finish is needed to cover an individual wall surface, equalise the render finish in a container of appropriate size to avoid spots caused by potential differences in whiteness. The container volume should preferably suffice for the equalisation of the entire render finish needed for an individual finished wall surface and it should at least suffice to equalise the render finish prepared from four to five bags of the dry mortar compound (when determining the volume of the container, please consider the open time of the prepared render finish in the time required to apply it!). When, in this case, approximately a fifth (a quarter at the most) of the prepared compound from the equalisation container has been used, substitute it with new compound, which should be blended with the rest of the compound well. Equalisation of the mortar of the same production batch is not necessary.

Reworking the render finish during application (diluting and similar) is not allowed.

7. Application of Render Finish

Apply the render finish min thickness of 1 to 3 mm manually with a stainless steel smoothing trowel or spray it. When applying the render finish by spraying, follow instructions of the producer of the mechanical equipment. The choice of coat thickness, which should be as level as possible across the entire surface, depends on how thick you wish your structure to be: thicker applications result in rougher surfaces, while thinner ones in less rough surfaces. When the application is still wet, treat it with a foam paint roller, a painting trowel, a smoothing trowel, a sponge, a brush, a relief paint roller, with hands or a similar tool to achieve as even appearance as possible. Due to high thixotropy of the render finish, the application maintains this even appearance until it finally hardens.

Perform the application as fast as possible, without any interruptions from one corner of the wall to the other. When applying the render finish onto wall surfaces higher than one floor, it must be applied simultaneously to all floors: in such cases, always begin the application at the top floor, while performing a phase-delayed "step shift" in lower floors. Larger wall surfaces should be divided into smaller sections by using adequately wide decorative grooves, mortar trims, and other decorations, frames or in any other way. In this manner we avoid potential problems caused by continuous application of the render finish as well as non-aesthetic appearance due to a potentially uneven surface. Joints between planes in inner or outer corners can be made easier by preparing a few cm wide, finely smoothed stripes, which also give a pleasant decorative appearance to processed surfaces. Decorative smoothed stripes, grooves, mortar trims, frames, and similar are usually made prior to the application of the decorative render finish. They are protected by suitable wall paints, while paying attention not to apply coatings encroaching onto surfaces prepared for the application of the render finish.

In normal conditions (T = +20 °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

Processed surfaces 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. In case of facade surfaces, apply two coats of micro-reinforced facade paints REVITALCOLOR, SILICATECOLOR or SILICONECOLOR onto a prior coat of an appropriate primer. In case of interior surfaces, apply two coats of JUPOL Gold paint.

9. Storage, Transportation Conditions and Durability

Component A:

During transportation, protect the product against moistening. Store in dry and airy places, out of reach of children! Shelf life when stored in an originally sealed and undamaged packaging: at least 6 months.

Component B (ACRYL Emulsion):

Storage and transportation at temperature +5°C to + 25°C, protected from the direct sunlight, out of reach of children, **MUST NOT FREEZE!**
Shelf life when stored in an originally sealed and undamaged packaging: at least 18 months.

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.

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

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

Denomination and date of publishing: TRC- 043/19-čad, 20.08.2024