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TECHNICAL SHEET 08.02.01-EN

JUBIZOL Kulirplast 1,8 premium

Decorative smooth render finish made of coloured quartz granulate

1. Description, Application

JUBIZOL Kulirplast 1,8 premium is acrylic render finish made of coloured quartz granulate. It is intended for decorative protection of all types of finely processed façade surfaces, especially plinths. It adheres well to all fine-coarse construction surfaces including: base-coats of JUB's External Wall Insulation (EWI) systems (it is suitable for systems based on insulation boards made of expanded or extruded polystyrene), classical fine cement plasters, smoothed concrete surfaces, and also to fibre-cement and gypsum-cardboards, chipboards, and similar. Carefully selected unique colour shades of JUBIZOL Kulirplast 1,8 premium ensure desired elegance, while combined with colour shades of JUBIZOL facades they ensure the solutions of contemporary architectural trends. Innovative technology of applying the paint with carefully selected pigments and use of the most contemporary binder with high UV protection ensure excellent resistance to weather conditions and product's high water repellence. JUBIZOL Kulirplast 1,8 premium has excellent applicative characteristics and it is simple to apply and build in. It is also characterized by very long treatment time, which gives it a significant advantage dor application in summer months. JUB advises against the application of the product onto surfaces of tall buildings, which are heavily exposed to precipitation (buildings higher than one floor or buildings with short projecting or even without eaves), it is also not suitable for the use on surfaces exposed to permanent influence of humidity. The product is not suitable for protection of horizontal or any walking surfaces. Surfaces rendered with this finish have an assured long-term resistance to contamination with wall algae and mould. Therefore, it is not necessary to add any biocidal substances prior to application.

2. Colour Shades

• 20 color shades:
210 JUBIZOL Unigrund 010A(FF/HC)*
220 JUBIZOL Unigrund 010C(FF/HC)*
230 JUBIZOL Unigrund 010E(FF/HC)*
240 JUBIZOL Unigrund 030E(FF)* 115E(HC)*
250 JUBIZOL Unigrund 010D(FF)* 115A(HC)*
260 JUBIZOL Unigrund 010F(FF/HC)*

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270 JUBIZOL Unigrund 140G(FF)* 005W(HC)*
280 JUBIZOL Unigrund 030F(FF)* 135B(HC)*
290 JUBIZOL Unigrund 120D(FF)* 165D(HC)*
370 JUBIZOL Unigrund 160D(FF)* 125C(HC)*
375 JUBIZOL Unigrund 120C(FF)* 195B(HC)*
385 JUBIZOL Unigrund 070B(FF)* 205B(HC)*
445P JUBIZOL Unigrund 330A(FF)* 185A(HC)*
450P JUBIZOL Unigrund 330A(FF)* 445A(HC)*
480P JUBIZOL Unigrund 010F(FF/HC)*
490P JUBIZOL Unigrund 040C(FF)* 005B(HC)*
495P JUBIZOL Unigrund 040D(FF)* 020D(HC)*
600 JUBIZOL Unigrund 010A(FF/HC)*
605 JUBIZOL Unigrund 010C(FF/HC)*
660 JUBIZOL Unigrund 170C(FF)* 115F(HC)*

• 4 color shades more attractive appearance (enhanced with mica pieces):
110S JUBIZOL Unigrund 050E(FF)* 125E(HC)*
120S JUBIZOL Unigrund 080A(FF)* 335A(HC)*
130S JUBIZOL Unigrund 150C(FF)* 165D(HC)*
140S JUBIZOL Unigrund 300D(FF)* 165C(HC)*

* FF - Favourite Feelings colour chart / *HC - Home of Colours colour chart (Shades are for informational purposes only)

ATTENTION! The render finish is made of coloured quartz granulate, therefore minor differences are possible between the shades of individual deliveries and the samples in the colour charts!

3. Technical data

Packaging		25 kg
Density		~1.67 kg/dm³
Water dilution with primer		~1 dl/bucket
Layer thickness		~2,3 mm
Drying time	Touch dry	~24 h
T = +20 °C, relative air humidity = 65 %	To achieve resistance against leaching with rainwater	~48 h
Average consumption		~4.5 kg/m²
Vapor permeability EN ISO 7783-2	coefficient μ	<100
	value Sd (d = 1,8 mm)	<0.18 m class 2
Water absorbtion w24 (EN 1062-3)		<0.2
Water absorbtion class		class W2
Adhesion according to EAD 040083-00-0404, point 2.2.20.2		>0.5 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 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,

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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 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 ºC, relative air humidity = 65 %). All coatings, slurries and other decorative coats have to be removed from old solid plasters/renders. 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. In the case of application of shade 600 (black) to thermal insulation system, it is necessary to thicken and reinforce the base coat with double JUBIZOL REINFORCEMENT MESH. Joint thickness of the base coat should not be less than 5.0 mm. Also, on such systems dilatations must be made which should be apart from each other at maximum 10 – 15 m. The minimum width of the dilatation crack is 2.0 cm.

Prior to application of decorative render, coat the surface with JUBIZOL Unigrund. Selected it in a shade closest to the render finish colour under the FAVOURITE FEELINGS colour chart (on JUMIX tinting stations at points of sale).

Apply the primer JUBIZOL Unigrund by using 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: natural and artificial fur or textile linings made of different synthetic threads – polyamide, dralon, vestan, nylon, perlon or polyester), in one coat. When applying the paint with a roller, use a suitable bucket grid.

The application of a render finish should start only when a primer is dried through. In normal conditions (T = +20 ºC, 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, slightly stir the render finish with an electric mixer at low RPM (~ 250 revolutions/minute) so that it becomes homogenous; minimum diluting with ACRYL Emulsion is allowed in exceptional cases (maximum 1 dl per container).

WARNING!
If render finishes of different production batches are applied onto an individual wall surface, the render finishes should be equalised in a container of appropriate size. First, slightly stir the content of four buckets. When a quarter of the so prepared compound is used, the content of the next bucket is poured into the container and slightly mixed again with the rest of the render finish, etc.

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

7. Application of Render Finish

Apply the prepared render finish manually using a stainless-steel smoothing trowel in thickness of ~2, 3 mm. Remove the redundant material with a stainless-steel smoothing trowel. Immediately after the application, level the surface of the render finish with a stainless-steel smoothing trowel and smooth it to fill all empty spaces between the grains and for the surface to become as evenly structured as possible. 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 surface. Always perform smoothing in one direction only. At the end, push the protruding lumps into the surface by smoothing the surface slightly using a clean stainless-steel smoothing trowel. Milky white appearance of the application will disappear when the render finish hardens.

Perform the application as fast as possible without any interruptions from one corner of the wall to the other. Larger wall surfaces should be divided into smaller sections by using adequately wide grooves, mortar trims, and

other decorations, frames or in any other way. In this manner you avoid potential problems caused by continuous application of the render finish as well as the non-aesthetic appearance caused by a potentially uneven surface. Joints between planes in inner or outer corners can be done more easily by preparing finely smoothed stripes, which are a few cm wide and which also give a pleasant decorative appearance to processed surfaces. Apply decorative smoothed stripes, grooves, mortar trims, frames, and similar prior to the application of the decorative render finish. Protect them with 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 = +20ºC, relative air humidity = 65 %), resistance of freshly processed surfaces to damage caused by precipitation (washing away of the application) is achieved in 48 hours at the latest. In case of low temperatures and high relative air humidity this time can be significantly longer. In case of longer moistening of render, a milky look may appear on it. However, this look will disappear immediately as the render dries. Thoroughly clean the tools with water immediately after use. Dried stains cannot be removed.

8. Maintenance and Restoration of Treated Surfaces

Façade surfaces processed with JUBIZOL Kulirplast 1,8 premium do not require any special maintenance. The non-adhering dust and other non-adhering filth can be swept, hoovered, or washed away with water. Adhering dust and more obstinate stains can be removed by light rubbing with a soft brush soaked into a solution of usual universal household preparations and washed away by clean water.

9. 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, MUST NOT FREEZE!
Shelf life when stored in originally sealed and undamaged packaging: at least 18 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.

The render finish is made of coloured quartz granulate; therefore, there may appear slight differences between colour shades belonging to individual deliveries and samples in colour charts. These differences cannot be subject to a complaint!

JUB does not accept any responsibility for a difference in colour shade, which is the result of unsuitably prepared surface, of failure to follow the equalisation rules at the preparation of the render finish, and/or of the application of the product in unsuitable weather conditions (high relative air humidity, low temperatures). Spotty surfaces can be repaired only if they are re-coated with a new render finish.

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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