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TECHNICAL SHEET 08.03.04-EN

FINE Render 1,0 mm

Water-repellent white render finish

1. Description, Application

FINE Render 1,0 mm is a thin-layer lime-cement render intended for fine leveling or smoothing of facade and interior wall surfaces. It can be installed on all types of classic rough lime-cement and lime plasters, on thermal insulation, sanitation, renovation and mineral decorative plasters, on the base plaster of facade thermal insulation systems JUBIZOL S, JUBIZOL MP and JUBIZOL ML, and it adheres well even to old, already smoothed plastered surfaces . FINE Render 1,0 mm can be used on the facade or on the interior wall surface as a finishing plaster, which can be painted or additionally hydrophobicized (we recommend JUBOSIL Hydrophob), but it can be a quality base for the installation of all types of thin-layer decorative plasters. Typical coating thickness for FINE Render 1,0 mm is 3 to 6 mm and is only available in natural white. It is characterized by extremely high water repellency and good vapor permeability and, despite its high strength, a relatively low elastic modulus. It is resistant to the effects of flue gases and ultraviolet rays and is durable even in extremely unfavorable operating conditions.

2. Colour Shades

• natural white (shade 1001)

3. Technical data

Packaging		20 kg
Density		~2 kg/dm³
Water dilution		~30 %
Layer thickness		~1,0 mm
Drying time T = +20 °C, relative air humidity = 65 %	Touch dry	~6 h
	To achieve resistance against leaching with rainwater	~24 h
Average consumption		~1.3 kg/m²

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Vapor permeability EN ISO 7783-2	coefficient μ	<20
	value Sd (d = 1,0 mm)	<0.12 m class 1
Water absorbtion w24 (EN 1062-3) Water absorbtion class		<0.2 kg/m2*h0,5 class W2
Compressive strength (EN 1015-11)		>2 MPa
Compressive strength class		CS II
Adhesion (EN 1015-12)		0,2 MPa 100 % B B … fracture in the render finish
Adhesion after weathering (EN 1015-21)		0,2 MPa 100 % B B … fracture in the render finish
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 ºC or higher than +30 ºC, 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 solid, dry and clean, without weakly bound particles, dust, easy water-soluble salts, oil stains and other filth. Dust and other non-adherent dirt are vacuumed or removed by plastering. We remove all paint deposits and splashes from already painted surfaces. Surfaces infected with wall mold must be disinfected before applying the leveling compound.

Prior to the application of a decorative fine render finish, the newly applied base-coats have to dry at least 7 to 10 days for each cm of its thickness (stated drying times of the surface are valid in normal conditions: T = +20 ºC, relative air humidity = 65 %).

We do not apply any basic coatings to the base before installing fine renders, in fast drying conditions we just moisten it well the day before.

6. Preparation of Render Finish for Application

The mortar mixture is prepared in a concrete mixer or in a suitable container (if mixing with an electric mixer or by hand) by shaking the contents of the bag (20 kg) in the desired consistency or application technique with a suitable (as small as possible) amount of water (approximately 4.5 to 6 l). Mix until the mixture is homogeneous and wihout lumps. Wait 10 minutes for the mass to swell and mix it well again. If necessary, add a little more water.

Under normal conditions (T = +20 ºC, relative humidity = 65%), the prepared mortar mixture can be used for up to 2 hours.

7. Application of Render Finish

The mortar mixture is installed in a 3 to 6 mm thick layer. It is applied by hand - with a stainless steel, wooden or plastic trowel, or by machine - by spraying - aggregates of fine mortar mixtures. Optimum parameters for spraying are determined by trial, following the instructions of the hardware manufacturers. To spread the mass over the treated surface and remove the excess mass, regardless of the method of application, use a stainless steel, wooden or plastic trowel, with which we try to smooth the surface as much as possible.

When the embedded mortar mixture hardens slightly due to water loss, the surface is smoothed with a wooden, styrofoam or plastic trowel while moistening with water, so that it acquires as uniform and finely rough appearance

as possible. Smaller surfaces can also be smoothed with a stainless steel trowel.

In normal conditions (T = +20 ºC, 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

Façade surfaces processed with render finishes 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

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

10. Other Information

The technical instructions in this brochure 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.
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.

Denomination and date of publishing: TRC-048/17-pek, 20.08.2024