

TECHNICAL SHEET 04.01.18-EN



DECOR Decoral

Interior decorative render finish

1. Description, Application

DECOR Decoral is a thick-coat precious render finish based on the combination of cement and hydrated lime with more or less relief surface, intended for decorative protection of interior wall surfaces. The appearance of relief surface depends on the application technique and the tools used for structuring the applied render finish. It adheres well to all finely coarse construction surfaces: to conventional fine lime-cement and cement renders, smoothed concrete surfaces as well as fibre-cement and gypsum-cardboards, chipboards and similar. It complies with the requirements of the harmonized SIST EN 998-1 standard. It is distinguished by high water vapour permeability and good adhesion to the surface.

2. Colour Shades

- natural white (colour shade 1001)

3. Technical data

Packaging	20 kg	
Density	~1.34 kg/dm ³	
Water dilution mass	26 %	
Layer thickness	3-10 mm	
Drying time T = +20 °C, relative air humidity = 65 %	Touch dry	~6 h
Consumption	~ 2.5-10 kg/m ²	
Vapor permeability EN ISO 7783-2	coefficient μ	<12
	value Sd (d = 100 um)	>0.12 m
Water absorption w24 (EN 1062-3)	<0.5 kg/m ² *h ^{0,5}	

Water absorption class (EN 1015-18)	class W2
Compressive strength (EN 1015-11)	>6 MPa
Compressive strength class	CS IV
Adhesion (EN 1015-12)	>0,6 MPa 50 % A; 50 % B C A ... fracture in the contact surface / render finish B ... fracture in the render finish.
Adhesion after weathering (EN 1015-21)	1,0 MPa 80 % A; 20 % B A ... fracture in the contact surface / render finish B ... fracture in the render finish
Reaction to fire	A1

4. Installation Conditions

The temperature of air and wall surface should not be lower than +5 °C and not higher than +30 °C, and relative air humidity should not exceed 80 %.

5. Surface Preparation

The surface should be slightly rough (ideal is the roughness of a conventionally smoothed fine render finish 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 render finishes 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 %). 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.

Suitable base coatings for individual types of substrates are listed in the table below:

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

6. Preparation of the mortar mixture

Prepare the mortar compound 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 into 4.7 to 5.5 litres of water and stir well to obtain a homogenous compound without any lumps. Wait for SwellingTime 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 mortar compound must be used within 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 and 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.

Any “repairs” of the mortar compound during application (adding tinting agents, diluting, and similar) are not allowed.

7. Installation of the mortar mixture

The mortar compound is applied manually – using a stainless-steel smoothing trowel – or by spraying – in the thickness of 3 to 10 mm. In case of application by spraying, follow the 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 the desired structure: thicker applications result in rougher surfaces, while thinner ones in less rough surfaces. When the application is still fresh, 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.

The application should be performed as fast as possible, without any interruptions from one corner of the wall to the other. When applying the render finish to wall surfaces higher than one floor, it must be applied simultaneously to all floors: in such cases, always begin the application of the render at the top floor, while performing a “step shift” in lower floors. Larger wall surfaces should be divided into smaller sections by using adequately wide channels, mortar trims, and other decorations, frames or in any other way. In this way, we avoid potential problems during continuous application of mortar as well as non-aesthetic appearance due to potentially uneven surface. Contacts between planes in corners and in angle borders 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, channels, mortar trims, frames, and similar are usually made prior to the application of decorative render. They are protected by suitable wall paints, while due attention should be paid not to apply coats onto surfaces prepared for the application of the render uncontrollably over their edges.

Thoroughly clean the tools with water immediately after use.

8. Storage, Transportation Conditions and Durability

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.

9. Other Information

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.

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