

TECHNICAL SHEET 15.02.02-EN



JUBOSAN W130

Renovation render

1. Description, Application

JUBOSAN W130 is industrially made dry render compound based on white cement, lime and hydraulic binders. It is intended to be applied onto damp walls instead of old removed, damaged and salt-laden renders. It meets the WTA (Wissenschaftlich-Technische Arbeitsgemeinschaft für Bauwerkserhaltung und Denkmalpflege e.V.) requirements as far as all characteristics are concerned. The strongly porous (the form and size of pores in the render successfully prevent capillary occurrences), water vapour permeable and water repellent JUBOSAN W130 enables large quantities of salt to accumulate in its pores. Until pores are filled with salt, its surface is dry regardless of the level of dampness in the wall. It is thus possible to simply apply different decorative renders onto it or paint it.

2. Technical data

Packaging		12 kg
Hardened compound density		~0.9 kg/dm³
Water dilution mass		~42 %
Average consumption		~6.7 kg/m²/cm
Drying time T=+20°C, relative air humidity=65%	Touch dry	~6 h
	To achieve resistance against leaching with rainwater	~24 h
Vapor permeability EN ISO 7783-2	Coefficient μ	<15
	value Sd (d = 50 mm)	<0.6 m
Capillary water absorbtion number (EN 1062-3)		>0.3 kg/m2
Capillary water absorbtion class (EN 1015-18)		W1
Compressive strength (EN 1015-11)		>2.5 MPa

Compressive strength class (EN 1015-11)	CS II
Adhesion to concrete (EN 1015-12)	>0,3 MPa 60 % B, 40 % C B ... fracture in the render finish C ... fracture in the test surface
Flexural strength	>1,4
Ratio between compressive strength and flexural strength	<3
Quantity of air pores in fresh mortar	>25 %
Hardened mortar porosity (WTA 6.3.9)	>40 %
Resistance to salt accumulation	resistant
Reaction to fire	NPD
Thermal conductivity λ	~0,83 W/mK; P=50% (EN 1745)

3. Installation Conditions

The temperature of the air and the wall surface should be between +5°C and +30°C and the relative air humidity should not exceed 80 %. Protect façade surfaces from sun, wind and rainfall using protective scaffold nettings; however, do not conduct any work in rain, fog or strong wind (≥ 30 km/h) despite such protection.

4. Surface Preparation

The base is JUBOSAN W120, which should be thoroughly wetted with water a day prior to the application of JUBOSAN W130. In warm or windy weather conditions, wet the surface again if necessary one or two hours prior to the application of the plaster.

5. Preparation of Mortar Compound for Application

Prepare the render compound in a concrete mixer by pouring the content of a bag (12 kilos) into approximately 5 litres of water. After 3 minutes of stirring, check the consistency of the compound and, if necessary, add up to a litre of water during constant stirring. The appropriate consistency is achieved when the mortar stops slipping from the trowel when it is tilted at an angle of 45°. The optimum total stirring time is 5 minutes and it should by no means exceed 7 minutes.

In normal conditions ($T = +20$ °C, relative air humidity = 65 %), the prepared mortar compound should be applied within 1.5 hour.

6. Application of Mortar Compound

Apply the mortar using a plastering trowel usually in thickness between 2 and 4 cm, in one application in the maximum thickness of 3 cm. Application thickness is adjusted using wooden distancing laths. Cut the render applied between distancing laths using a wooden or aluminium lath and do not smooth it. Then, remove distancing laths and fill the channels before the render around them hardens. Apply thicker applications (up to 4 cm) in two coats; apply each following coat when the previous one has already partially hardened. In normal conditions ($T = +20$ °C, RH = 65 %), this happens in approximately 2 days. Moisten JUBOSAN W130 2 to 3 days after the application especially in hot and windy weather conditions.

Plastered surfaces can be levelled in a day or two with an additional 0.5 cm thick coat of JUBOSAN W130. Smooth the surface using a plastic or wooden plastering smoothing trowel in the same manner as in the case of a classic fine lime or lime-cement render. Level the surface only after the newly applied render begins to bind and wet it suitably during smoothing.

Thoroughly wet the surface of JUBOSAN W130 prior to the application of the levelling coat. Do not level the surface if the renovation render is finalised with JUB's FINE RENDER 0.6 or FINE RENDER 1.0.

ATTENTION!

The minimum still functional thickness of JUBOSAN W130 is 3 cm! Renovation render on facade surfaces in contact with the floor is finished in a wedge-like manner!

In normal conditions ($T = +20\text{ }^{\circ}\text{C}$, R.H. = 65 %), dry JUBOSAN W130 prior to the application of fine render or other decorative renders or prior to painting at least 7 - 10 days for each cm of its thickness. In unfavourable weather conditions (rain, low temperatures and similar), prolong the drying time appropriately!

In normal conditions ($T = +20\text{ }^{\circ}\text{C}$, relative air humidity = 65 %), resistance of freshly processed surfaces to damage caused by drainage water (washing away of the application) is achieved within 24 hours at the latest.

Clean the tools with water immediately after use.

Unused dry mortar mix should be stored in a tightly sealed package for potential repairs.

7. Storage, Transportation Conditions and Durability

Protect the product against moistening during transport. Store in dry and airy places!

Shelf life when stored in an originally sealed and undamaged packaging: at least 6 months.

8. 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.

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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