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TECHNICAL SHEET 15.02.03-EN

JUBOSAN W120

Renovation basecoat

1. Description, Application

JUBOSAN W120 is industrially prepared dry mortar compound based on hydraulic binders. It is used as a basis for the JUBOSAN W130 renovation render in the JUBOSAN system for renovation of salt-laden wall surfaces. 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 prevent capillary occurrences) and water vapour permeable JUBOSAN W120 enables large quantities of salt to accumulate in its pores. It can be used as masonry mortar when filling larger uneven areas and holes.

2. Technical data

Packaging		18 kg
Hardened compound density		~1.2 kg/dm³
Water dilution mass		~26 %
Average consumption		~14 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 = 30 mm)	<0.45 m
Capillary water absorbtion number (EN 1062-3) Capillary water absorbtion class (EN 1015-18)		>0.3 kg/m2 W1
Compressive strength (EN 1015-11) Compressive strength class (EN 1015-11)		>5.11 MPa CS III

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Adhesion to concrete (EN 1015-12)	0,4 MPa
Water penetration depth (WTA 6.3.7) after 24 hours	>5 mm
Quantity of air pores in fresh mortar	>20 %
Hardened mortar porosity (WTA 6.3.9)	>45 %
Reaction to fire	A1
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 +5ºC and +30ºC 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 basis is JUBOSAN W110 renovation precoat, which should be thoroughly wetted with water a day prior to the application. 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 mortar compound in a concrete mixer by pouring the content of a bag (18 kilos) into approximately 4,7 litres of water and stir for not less than 5 minutes and not more than 6 minutes.

In normal conditions (T = +20 ºC, relative air humidity = 65 %), the prepared mortar compound should be applied within 0.6 h.

6. Application of Mortar Compound

Apply JUBOSAN W120 with a plastering trowel, usually in one coat in thickness of 1 to 3 cm. Application thickness is adjusted by using wooden distancing laths. Cut the render applied between distancing laths using a wooden lath and do not smooth it. Then, remove distancing laths and fill the channels before the render around them hardens. Thicker applications are applied in two or more 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. Horizontally furrow the surface immediately after the application and moisten it for 2 to 3 days especially in dry and windy weather conditions. In normal conditions (T = +20 ºC, R.H. = 65 %), dry JUBOSAN W120 for 7 days for each cm of its thickness prior to the application of a renovation render. In unfavourable weather conditions and in the case of application of coats exceeding 5 cm, prolong the drying time appropriately. In less favourable conditions (poorly ventilated basements, etc.), speed up drying by heating the rooms and forced ventilation or with dehydrators. Moisten the surface of JUBOSAN W120 prior to the application of the renovation render.

ATTENTION!
JUBOSAN W120 on facade surfaces in contact with the floor is finished in a wedge-like manner!

In normal conditions (T = +20 ºC, 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.

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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.

Designation and date of issue: TDS 063/25-čad, 20.03.2026