

TECHNICAL SHEET 12.01.01-Eng

LEVELLING AND RENOVATION RENDERS, MORTARS FOR RENOVATION OF CONCRETE



JUBOSAN W110

Renovation precoat

1. Description, Application

JUBOSAN W110 is a dry mortar compound based on hydraulic binders. It is used as a precoat on moist walls where the removed damaged and salt-filled plasters/render are replaced by more suitable renovation renders.

It functions as an adhesive bond between a wall surface and the JUBOSAN W120 renovation render applied onto it. It adheres to the surface well and reinforces it. It meets the WTA (Wissenschaftlich-Technische Arbeitsgemeinschaft für Bauwerkserhaltung und Denkmalpflege e.V.) requirements as far as all its characteristics are concerned.

2. Packaging

Paper bags containing 20 kilos

3. Technical Data

Drying time T = +20 °C, relative air humidity = 65 % (hours)		~6 (touch dry) ~24 (resistant to damages caused by precipitation)
Hardened compound density: (kg/dm ³)		~2
Water vapour permeability EN 1015-19	μ coefficient (-)	<15
	S _d value (m)	<0.045 (for average thickness t = 3 cm)
Capillary water absorption (EN 1015-18) (for class R) (kg / m ²)		7.7
Water penetration depth WTA 6.3.7 (mm)		>5mm after 1h, 20mm after 24h
Compressive strength EN 1015-11 (MPa)		>20.9
Adhesion EN 1015-12 (MPa)		1.5
Response to fire		A1

Main ingredients: cement, calcite sands, hydrated lime

4. Surface Preparation

The surface includes brick, stone and mixed walls from which you have entirely removed all old and disintegrating plasters/renders filled with salt approximately 80 to 100 cm above the visual line of salt accumulation or approximately 80 to 100 cm from the line of wet stains. Also clean joints between bricks or stone blocks approximately 1 to 2 cm deep. If

Ustvarjamo barvito ugodje bivanja

possible, wash the wall surface with a jet of water after you have removed the plasters/renders and cleaned the joints. Wet the surface thoroughly one day prior to the application of the precoat. Remove the decaying bricks and other wall elements, and fill the holes and larger uneven areas using JUBOSAN W120 as masonry mortar.

5. Preparation of Render Compound for Application

The precoat of appropriate consistency is prepared in a concrete mixer, by pouring 1 bag (20 kilos) of a dry render compound into 3.9 litres of water and mixing until the compound becomes homogenous.

In normal conditions ($T = +20\text{ }^{\circ}\text{C}$, relative air humidity = 65 %), the prepared render compound can be used for approximately 1.5 hour.

6. Render Finish Application

Apply JUBOSAN W110 with a plastering trowel or a laddle. Cover at least 50 % of the wall surface in a "net-like" manner, and where the surface is weak, cover it entirely. Especially in dry and windy conditions, moisten the surface for at least a day. Apply JUBOSAN W120 onto it after a day in normal conditions ($T = +20\text{ }^{\circ}\text{C}$, rel. humidity = 65 %). In less favourable conditions (poorly ventilated basements, etc.), speed up the drying process by heating the rooms and forced ventilation or dehydrators.

The application of the render compound is possible only in suitable weather or microclimate conditions: the temperature of the air and the wall surface should be between $+5^{\circ}\text{C}$ and $+30^{\circ}\text{C}$ 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 ($\geq 30\text{ km/h}$) despite such protection.

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.

Approximate or average consumption:

JUBOSAN W110 ~ from 7kilos/m² to 12 kilos/m² depending on the percentage of coverage[S1] of the surface, its roughness and absorption

7. Tool Cleaning, Waste Management

Clean the tools with water immediately after use.

Keep unused, dry render compound in a well sealed packaging for potential repairs. Mix unusable remains with water and when they harden, deposit them onto the dumping grounds of construction waste (waste classification number: 17 09 04) or municipal waste (waste classification number: 08 01 12).

Cleaned packaging can be recycled.


8. Safety at Work

In addition to general instructions and regulations for construction or plastering and painting works, please consider that the product contains cement and hydrated lime, and is therefore classified among dangerous preparations labelled as Xi IRRITANT. The content of chromium (Cr^{6+}) is lower than 2 ppm.

Protection of the respiratory system: the use of a safety mask under very dusty conditions. Protection of hands and body: work clothing, preventive protection with a protection cream and the use of protective gloves are recommended in the case of prolonged exposure of hands. Protection of eyes: protective glasses or a safety mask.

FIRST AID:

Contact with skin: remove clothing which has been wetted, and rinse the skin with water and soap. Contact with eyes: immediately widen the eyelids, rinse thoroughly with clean water (10 to 15 minutes), seek medical advice if necessary. Ingestion: drink little water several times, seek medical advice immediately.

Warning signs on the packaging	<p style="text-align: center;">Xi</p> <div style="text-align: center;">  </div> <p style="text-align: center;">IRRITANT!</p> <p style="text-align: center;">THE PRODUCT CONTAINS CEMENT AND HYDRATED LIME!</p>
Special measures, warnings and observations for safe work	<p>R 36/38 Irritating to eyes and skin. R 41 Risk of serious damage to eyes.</p> <p>S 2 Keep out of the reach of children. S 24/25 Avoid contact with skin and eyes. S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 28 After contact with skin, wash immediately with plenty of water. S 37/39 Wear suitable gloves and eye/face protection. S 46 If swallowed, seek medical advice immediately and show this container or label.</p>


9. Storage, Transport 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.

10. Quality Control

The product's quality characteristics are determined by the internal manufacturing specifications as well as by the Slovene, European and other standards. JUB ensures achieving of the declared or set quality level by the ISO 9001 system for total quality management and control, which has been implemented at JUB for many years and which comprises daily quality checks in our own laboratories, occasionally at the Construction Institute in Ljubljana, and at other independent expert institutions in Slovenia and abroad. During the manufacturing process, JUB strictly complies with the Slovene and European standards for the protection of the environment and for ensuring security and health at work, which has been confirmed by the ISO 14001 and OHSAS 18001 certificates.

	
JUB d.o.o. Dol pri Ljubljani 28 SI – 1262 Dol pri Ljubljani 11	
SIST EN 998-1	
Mortar compound used as a precoat in the renovation system (GP)	
Response to fire	A 1
Adhesion	≥ 0.6 N/mm ² , 100 % A
Water absorption	W 1
μ Water vapour permeability coefficient	≤ 15

Thermal conductivity $\lambda_{10, \text{dry}}$	0.83 W/mK, P = 50 % (tab. value EN 1745)
Resistance to freezing/thawing	NPD

NPD: No Performance Determined

11. Other Information

Technical instructions contained in this brochure are provided on the basis of JUB's experience and are given as a guideline to achieve the optimum results. JUB shall not accept any responsibility for damage caused by incorrect selection of a product, incorrect use or unprofessional work.

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: **TRC-001/12-mar**, 15 February 2012



ISO 9001 Q-159
ISO 14001 E - 034
OHSAS 18001 H - 022

