

TECHNICAL SHEET 12.01.05-GBR

RENOVATION RENDER FINISHES, MORTARS FOR RENOVATION OF RENDER FINISHES

JUBOSAN NHL Base 110

Renovation precoat for absorbent surfaces

1. Description, Application

JUBOSAN NHL Base 110 is a dry mortar compound based on limestone and silicon aggregate. It is used as a base precoat for interior and exterior vertical, ceiling brick surfaces, prior to rough levelling with JUBOSAN NHL Fill 120. The product is suitable for renovation of render finishes on facilities under the protection as cultural heritage, where the use of classic ecological materials is required.

2. Packaging

Paper bags containing 25 kilos

3. Technical Data According to the UNI EN 998-1 Standard

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Density – Dry weight	1,600 kg/m ³ determined in free fall
Maximum grain diameter	2,5 mm
Open time	2 h
Mechanical flexural strength (after 28 days)	2,5 Nm/mm ²
Pressure mechanical strength after 28 days (category CS III)	5 N/mm ²
Resistance to water vapour diffusion μ	9
Adhesion to brick	1,0 N/mm ²
Water absorption	W1
Thermal conductivity λ (tab. value EN 1745) (W/mK)	0,40 W/mK P = 50%
Fire resistance	A1

Main ingredients: NHL lime, silicon aggregate, special hydraulic binders

4. Surface Preparation

Most suitable surfaces are brick and other absorbent surfaces from which all old efflorescent and decomposing render finishes have been partially or entirely removed. Among bricks in the depth of 1 to 2 cm we also clean the tile joints. If possible, after knocking off render finishes and cleaning tile joints, wash the wall surface with a jet of water, and moisten



it well a few hours prior to the application of the renovation precoat. Remove decaying bricks and other wall elements, wall in formed indentations and larger uneven parts by using JUBOSAN NHL Fill 120 as building mortar.

ATTENTION: Renovation precoat should not be applied to gypsum surfaces, non-agglutinated surfaces and surfaces that crumble nor to concrete surfaces. Also, the product should not be applied if there are traces of humidity and efflorescence on the surface and where renovation and wall drying are necessary.

5. Preparation of Mortar Compound for Application

Precoat of appropriate consistency should be prepared in a concrete mixer or in a bucket by pouring 1 bag (25 kilos) of dry mortar compound into approximately 4.75 l of water and by mixing until it becomes homogenous.

In normal conditions (T = +20 °C, relative air humidity = 65 %), the prepared mortar compound should be applied within approximately 2 hours.

6. Application of Mortar Compound

JUBOSAN NHL Base 110 is applied by a masonry trowel or by masonry ladle; during the application we should take care that the entire wall surface is covered. The product can also be applied mechanically. In particular in dry and windy weather, the precoated surface should be carefully treated with moistening. In normal conditions (T = +20 °C, rel. air humidity = 65 %), **after one day** JUBOSAN NHL Fill 120 can already be applied to it. In difficult conditions (poorly ventilated areas, basements, etc.) drying can be accelerated by heating the area and by enforced ventilation or by using dehumidifier.

The application of mortar compound is possible only in suitable weather or microclimate 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.

In normal conditions (T = +20 °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 NHL Base 110

~ from 7 kg/m² to 8 kg/m² depending on the surface coarseness and absorption

Clean the tools with water immediately after use.

Keep unused, dry mortar compound in a well-sealed packaging for potential repairs.

7. Safety and Health at Work

Further instructions regarding handling the product, use of personal protection equipment, waste management, first aid measures, warning signs, signal words, components determining hazard, hazard statements and safety statements are listed in the product's safety sheet which you can find on Jub's web page or you can require it from the manufacturer or seller. When applying the product, the instructions and regulations regarding safety for construction, façade and painting works should also be observed.

8. 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 12 months.

9. 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.

10. 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.

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The product is made by the holder of ISO 9001:2015, ISO 14001:2004 and OHSAS 18001:2015 certificates.

