

## TECHNICAL SHEET 12.01.08-GBR

### RENOVATION RENDER FINISHES, MORTARS FOR RENOVATION OF CONCRETE

# JUBOSAN NHL Finish 130

Finishing render finish

#### 1. Description, Application

JUBOSAN NHL Finish 130 is a dry ready-made product based on selected river aggregate, binders based on extremely clean natural hydraulic and air lime NHL 3.5 with accordingly low content of soluble salts, with special additives. It is biologically well degradable. The product is suitable for renovation of render finishes of interior and exterior wall and ceiling surfaces of 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

Density – Dry weight	1,300 kg/m <sup>3</sup> determined in free fall
Maximum grain diameter	< 0.8 mm
Open time	> 6 hours
Mechanical flexural strength (after 28 days)	0.8 Nm/mm <sup>2</sup>
Pressure mechanical strength after 28 days	(category CS III)
Resistance to water vapour diffusion $\mu$	9
Adhesion to brick	0.8 N/mm <sup>2</sup>
Water absorption	W1
Thermal conductivity $\lambda$ (tab. value EN 1745) (W/mK)	0.38 W/mK, P = 50%
Fire resistance	Class A1

Main ingredients: river aggregate, binders based on clean natural hydraulic and air lime NHL 3.5, special additives.

#### 4. Surface Preparation

The surface is coarse renovation render finish JUBOSAN NHL Fill 120 which is adequately dry (finishing time should not be shorter than 24 and not longer than 48 hours), clean, without dust, oil stains and dirt. Other newly applied lime-cement render finishes must dry at least 7 to 10 days for each cm of their thickness prior to the application of render finish (stated drying times of the surface are valid in normal conditions: T = +20 °C, relative air humidity = 65 %).



## 5. Preparation of Mortar Compound for Application

Mortar compound is prepared by pouring the content of a bag (25 kg) into app. 7 l of water and by mixing well in order to obtain a mortar of appropriate consistency, then wait for 10 minutes for compound to swollen and then stir it again.

In normal conditions (T = +20 °C, relative air humidity = 65 %), the prepared mortar compound should be applied within 6 hours.

## 6. Application of Mortar Compound

Mortar is applied by a masonry trowel, usually in one coat of 2 to 3 mm of thickness, but it can also be applied in two coats. However, in that case the drying time between two coats must be at least 24 hours or the previous coat must be completely dry. Potential smoothing of the second coat is performed when the first coat is entirely hardened, i.e. after 24 hours as it must be performed in plastic phase so that you refresh the surface of applied material, whereby you moisten it and later treat it with sponge-like smoothing trowel until fine render finish is obtained. On problematic surface, sink JUBIZOL vinyl-covered glass fibre mesh into the first coat. Wait for at least 5 days before final processing (with façade paints SILICATECOLOR and SILICONECOLOR).

If the product is used as a final treatment of residential areas, we recommend applying the product in two coats with at least 24 hours of time between the coats. For painting of interior spaces, we recommend the use of the following paints: JUPOL Bio silicate, JUPOL Bio lime interior paint or any other dispersion interior paint.

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 ( $\geq 30$  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 (for 2 mm thick coat): JUBOSAN NHL Finish 130     ~3 - 4 kg/m <sup>2</sup> (depending on the substrate levelness)
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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, tool cleaning, 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.

