

NHL ROUGH CAST

NHL ROUGH CAST MORTAR

TC.E.060.1 EN

1. DESCRIPTION

The **NHL Rouch Cast Mortar** is a dry mortar, formulated with natural hydraulic lime, criteriously selected siliceous and calcareous aggregates and adjuvants, for the consolidation of old substrates. Its' properties of tixotropy, adhesion and durability are particularly adapted to the function it was designed for.

2. FIELD OF APPLICATION

The **NHL Rouch Cast Mortar** is used over old masonry surfaces for the application of a rough consolidation layer, namely when the intention is the refurbishing of old building façades.

The use of an exclusive natural lime binder, and its special composition, results in an excellent physical-chemical behaviour and mechanical performance in the connection with the different materials that normally constitute this type of substrates.

3. PRODUCT CHARACTERISTICS

PRODUCT IN POWDER	Value	Norm
Granulometrics (mm)	< 2,0	-
PRODUCT IN PASTE	Value	Norm
Mixing Water (%)	15,5 ± 0,5	EN 1016-3
Density (Kg/m ³)	2000 - 2200	EN 1015-6
HARDENED PRODUCT After 28 days	Value	Norm
Resistance to compression	CS II	-

4. APPLICATION

Preparing the substrate

We must start with the complete removal of old renders. After removal, and until the substrate is completely uncovered, we must proceed with a pressure - controlled water jet wash, trying to minimize the effect on the masonry joints, avoiding removal of the mortar.

This operation must be complemented with the brushing of the stone and/or ceramic elements with a wire brush, in order to achieve a fine adhesion surface in these elements.

Preparing the mortar

The **NHL Rouch Cast Mortar** must be mixed in special recommended equipment with an automatic water dosing system.

Application

After mixing, **The NHL Rouch Cast Mortar** must be applied manually in order to fill the cavities and any imperfection in the masonry display. This mortar layer is not meant to straighten the substrate, so it admissible to visualize the masonry contours in this place.

While this mortar layer remains fresh, we must proceed with the incorporation of squared fibre-glass net with 40x40 mm mesh, with an anti-alkaline treatment, conveniently embedding it with the back of the spoon, into the mortar.

If the situation justifies, we must proceed with an initial filling of cavities in the masonry with small ceramic fragments covered with **The NHL Rouch Cast Mortar**.

On smooth concrete subtrates we must apply, immediately before the referred rough cast, and adhesion propoter, our **SecilTEK AD 90**.

After this layer has hardened (7 day setting period), we must proceed to the application of a cladding layer using: **NHL Cladding Mortar**.

Layer must not be executed with thickness above 2,5 cm and below 1 cm

Once there are specific situations in each rehabilitation work, we recommend consultation near our technical services, prior to material selection.

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Restrictions

The NHL Rouch Cast Mortar must not be applied at ambient temperatures below 5 °C and above 30°C.

In dry weather or under exposure to strong winds, proceed with the watering of the executed surfaces for a week, in order to keep the mortar permanently moistened.

Additional advice

- ▶ The mixing water must be free of any impurities (clay, organic material), preferably potable water;
- ▶ No mortar should be applied after its setting and drying process has initiated. No water should be added to soften the mortar.
- ▶ Do not add any other product to the mortar. **The NHL Rouch Cast Mortar** must be applied exactly how it is presented in its original package.

5. PACKAGING AND STORAGE

Packaging

- ▶ 25 kg bags on plastified pallet

Storage

As long as the packaging conditions are maintained in storage away from extreme temperatures and humidity, the product has a time period of validity of 6 months

6. ASSOCIATED PRODUCTS

- ▶ **SecilTEK AD 90**
(Adhesion Promoter)
- ▶ **NHL Cladding**
(Natural Hydraulic Lime Cladding Mortar)
- ▶ **NHL Finishing**
(Natural Hydraulic Lime Finishing Mortar)
- ▶ **REABILITA Range**
(Renovation and Rehabilitation Mortars)

7. HYGIENE AND SAFETY

- ▶ May cause irritation of the eyes, skin and respiratory tract
- ▶ May cause sensitivity in contact with skin
- ▶ Do not inhale the powder
- ▶ Avoid contact with eyes and skin
- ▶ In case of contact with eyes, wash immediately and abundantly with water, and seek medical advice
- ▶ Use protective garments and adequate gloves
- ▶ Keep away from children

Once the application conditions of our products are beyond our reach, we will not be held responsible for its incorrect usage. It is the client's duty to verify the suitability of the product for the predicted use. In any case, our responsibility is limited to the value of goods supplied. The information shown on this file may be changed without previous notice. In case of doubt, and if you should need any additional information, please contact our technical services.

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