

NHL FINISHING

NATURAL HYDRAULIC LIME FINISHING MORTAR

TC.E.062.1 EN

1. DESCRIPTION

The **Natural Hydraulic Lime** based **NHL Finishing Mortar** is a dry mortar, formulated with natural hydraulic lime, criteriously selected siliceous and calcareous aggregates and adjuvants, for the finish coating in a fine breathable layer, in the renovation and rehabilitation in exteriors on old masonry.

Its' tixotropy, adhesion and permeability properties are particularly adapted for the use over old rendered substrates.

2. FIELD OF APPLICATION

The **NHL Finishing Mortar** is used on old or young rendered surfaces as a finishing layer in the conservation and renovation, namely we want to recover external coatings on façades of old buildings that need high levels of breathability.

The use of natural lime binders, and their special composition, results in an excellent physical chemical behavior and mechanical performance, in the connection with the different constituent materials of this type of substrates.

3. PRODUCT CHARACTERISTICS

PRODUCT IN POWDER	Value	Norm
Granulometrics (mm)	< 1,0	-
PRODUCT IN PASTE	Value	Norm
Mixing Water (%)	20,0 ± 1,0	EN 1016-3
Density (Kg/m ³)	1400 - 1600	EN 1015-6
HARDENED PRODUCT After 28 days	Value	Norm
Resistance to compression (MPa)	CS I	EN 1015-11
Density (Kg/m ³)	1200 - 1400	-
Water absorption by capillary (Kg/m ² .min ^{1/2})	< 0,2	-
Reaction to fire (Classe)	A 1	-

4. APPLICATION

Preparing the substrates

The substrates must be clean of dust, sand, release agents, disaggregated or unstable materials or paints, efflorescence, as well as any type of diminishment of the normal adhesion conditions, so that, as often as possible, it is recommended, on old substrates, the wash of surfaces with pressurized water or the brushing with a wire brush.

Preparing the mortar

The **NHL Finishing Mortar** must be mixed with the appropriate amount of water, in small quantities and using an electrical drill, in order to obtain a uniform paste without lumps.

Application

After mixing the **NHL Finishing Mortar**, a smooth layer must be applied over the substrate. One or two layers of this mortar are enough to give the surface a smooth texture with a natural colour.

In the application process, the necessary cautions must be ensured, using the adequate techniques, in order to guarantee a continuous and uniform appearance, eliminating creases or other imperfections.

The total thickness of the coating should not be above 4 mm.

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 Finishing Mortar** must 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 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 Finishing Mortar** must be applied exactly how it is presented in its original package

5. PACKAGING AND STORAGE

Packaging

- ▶ 25 kg bags on plastified pallet or in bulk

Storage

NHL Finishing Mortar must be transported, handled and stored in its original packaging (should only be opened for immediate use), away from humidity and exposure to heat.

In these conditions, **NHL Finishing Mortar** can be stored for a 6 month limit time period.

6. ASSOCIATED PRODUCTS

- ▶ **NHL Cladding Mortar**
(Natural Hydraulic Lime Cladding Mortar)
- ▶ **NHL Mortar for Old Masonry Consolidation**
(Natural Hydraulic Lime Rough Cast)
- ▶ **REABILITA Range**
(Renovation and Rehabilitation Mortars)

7. HIGIENE AND SAFETY

(DOES NOT DISMISS CONSULTATION OF THE PRODUCT'S SAFETY FILE)

- ▶ May cause irritation of the eyes, skin and respiratory tract
- ▶ May cause sensitivity in contact with skin
- ▶ Do not inhale the powder
- ▶ 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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