

LAFAC

ÁRIDOS Y CEMENTOS



Natural Hydraulic Lime NHL-3.5

Product codes:

Reference: 202

28 day resistance: $\geq 3,5 \text{ N/mm}^2$

Fineness retained at 0.09 mm: $\leq 15 \%$

Fineness retained in 0.2 mm: $\leq 2 \%$

Start of setting (paste): 1 - 1,5 h

Sulfate content (SO₃): $\leq 2 \%$

Useful lime: $\geq 25 \%$

Apparent density: 0,8 - 1,0 g/cm³

NHL-3.5 Natural Hydraulic Lime is made in an entirely natural way, from the firing of clayey limestone [marl] and without any type of chemical additive. Made up mostly of calcium silicates and aluminates and calcium hydroxide. The stone is fired at temperatures between 900 °C and 1100 °C. Subsequently, a slow and careful process of hydration of the stone is carried out to end up obtaining a product. The NHL-3.5 Natural Hydraulic Lime manufacturing method allows us to be a low CO₂ emission product, which leads to a better preservation of the environment.

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PRESENTATION

20 kg bags (approx.)

Pallets 63 bags

PRODUCT

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The NHL-3.5 Natural Hydraulic Lime manufacturing method allows us to be a low CO2 emission product, which leads to a better preservation of the environment.

USES AND APPLICATIONS

NHL-3.5 Natural Hydraulic Lime is the natural binder used in old constructions for the realization of foundations, vertical faces with bricks, walls, etc.

NHL-3.5 Natural Hydraulic Lime has a wide range of applications, from the preparation of mortars and concretes, to its application for the realization of asphalt, precast or soil stabilizer.

TECHNICAL DATA

NHL-3.5 Natural Hydraulic Lime complies with the requirements of the UNE EN 459-1



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Standard

FEATURES

NHL-3.5 Natural Hydraulic Lime has exceptional characteristics, solely a consequence of the adequate composition of the raw material. Contains no additions.

Hydraulic setting by chemical reaction of its own components, which provides excellent short-term resistance.

Compatibility with old building methods and materials from a chemical, structural and mechanical point of view.

Volume constancy under variable humidity conditions.

Less expansion, weak shrinkage and greater flexibility under certain mechanical conditions, which favors the adaptation to the deformations of the support without causing cracking.

Better sealing against physical attacks (vibrations, wind, freeze-thaw cycle) and chemicals (rain, acid salts, etc.).

Greater durability.

It does not produce efflorescence because the lime it contains has been manufactured with high quality raw materials and without additions.

Greater structural stability due to the self-sealing of the cracks: the mortar absorbs water dissolving the hydrated lime that penetrates into the voids and cracks where it is carbonated to seal them.



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Excellent adherence to the substrate due to its fineness and water retention that maintains its basic pH (> 12) for a longer time.

STORAGE

The product should be stored under cover in a clean, dry and well-ventilated place. Non-flammable product.

Consume preferably within 12 months from the date of packaging.

HANDLING

Keep out of the reach of children. Avoid contact with eyes and skin.

Avoid inhalation

QUALITY

NHL-3.5 Natural Hydraulic Lime is subject to manufacturing control to guarantee the suitability of the product according to the UNE EN 459-1 standard.

The data provided are those obtained from the tests carried out in our Internal Control Laboratory.

PREVENTION

In case of projection of the product dry, on eyes or skin, wash vigorously and go to a healthcare center. Wear appropriate gloves during application. To avoid dust and splashes it is appropriate to wear safety glasses.



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