



Calce Idraulica Naturale NHL 5

Pure hydraulic NHL 5 reactive lime binder, resistant and environmentally friendly.



MAIN FIELDS OF USE

It is particularly suitable to

Create mortars and grouts to be used within eco-friendly renovation cycles or where its natural transpiration feature is required.

Recommended applications:

Prepare non-structural mortars of all kinds: for bedding, styling, plasters, grouts, etc.

- Suitable substrates (indoors or outdoors):
- Brick
- Stone
- Clay brick
- Tuff
- Mixed masonry
- Reinforced Concrete
- Concrete

CHARACTERISTICS

Historically compatible thanks to the selection of the same type of rock used in lime.

The exceptional softness allows the creation of lightweight mortars, easy to work and lay.

The exceptional vapour permeability of the plaster makes the masonry highly transpiring.

Excellent dimensional stability and slow lime integration prevent cracks and fissures.

Conforms to **class NHL5** of the **UNI EN 459-1** standard.

HOW TO USE

Preparation of the substrate

The substrate must be cured, clean, flat, cohesive and free of any kind of release agent. It is always advisable to use a primer to even out absorption. If necessary, solve the capillary/saline rise in advance with **Neutral Antisale** or **licata Injecto Gel**.

Preparing the mixture

1_Pack the type of mortar required by adding inert materials and possibly additives that, by nature and correct quantities, allow to obtain a mortar aimed at the type of intervention needed.

2_Pour the product into a clean container, containing $\frac{3}{4}$ of mixing water.

3_Mix for about 3 – 4 minutes with a low speed mixer, gradually adding the remaining water. The product ready for application must be a homogeneous, lump-free mixture.

Do not split packs of **NHL 5 Calce Idraulica Naturale** to carry out either partial mixing or use open bags.

Application

1_Moisten the substrate before applying.

2_Roll out the product according to the type of mortar packaged and the type of intervention

PRODUCT INFORMATION

Appearance	Beige powder
Particle size	≤100 micrometres
Powder consumption	1200 g/dm ³
Mixing water	54-60%
Workability time at 20 °C	≥30 minutes
Application thickness per coat	ND (Injection material)
Application temperature	From +5 ° to +35 °C
Storage in unopened original packaging	12 months in a dry place between +5° and +35°C
Packaging	25 Kg
Apparent density	1350 Kg/dm ³

PERFORMANCE

Characteristic	Performance
Dry density in bulk	1500 g/dm ³
Compressive strength	≥ 8 MPa
Capillary absorption	≤ 0.9 Kg/m ² *min ^{1/2}
Euroclass fire resistance	A1

WARNINGS

- Product for professional use.
- In the case of applications other than those indicated in the sheet, it is advisable to carry out a suitability check in advance and/or contact the licata Technical Service for further information.
- Always check the colour, texture and appearance before application. Any claims regarding this will not be accepted once the product has been applied.
 - Do not apply in extreme conditions such as on icy surfaces or in the presence of fog/excessive ambient humidity.
- To avoid aesthetic and functional defects, adequate shielding must be provided in case of direct exposure to sunlight.
- Make sure that the ambient, substrate and product temperatures during application and drying are between +5°C and +35°C.
 - Properly care for the product until it is completely dry and at least in the first 48-72 hours, protecting it from rain, wind, weather and direct sunlight.
 - The temperature and humidity can accelerate (if high) or slow down (if too low) even drastically the maturation process, until it stops completely.
 - The presence of scaffolding, the use of natural raw materials and the impossibility of controlling atmospheric conditions and the substrate can lead to signs of recovery and inhomogeneity for which licata SpA is not responsible.
 - The fresh product can be washed with water.

SAFETY

Protect eyes and hands during application.
 Read and keep the latest version of the Safety Data Sheet available for information on the correct disposal, storage and handling of the product.

NOTES

This data sheet replaces and voids all previous versions.
 The instructions and performance information given in this document are based on our current technical-scientific knowledge and must in any case be considered purely indicative and refer to standard laboratory conditions. The purchaser must, therefore, check that the product is suitable for his specific requirements. All the documentation necessary for the safe use of licata SpA products is available in its most up-to-date form on the **licata SpA** company website. Additionally, our technical-commercial network guarantees a quick inquiry and remains available to you for information and explanations. For further information, contact the licata Technical Service at servizio-tecnico@licataspa.it
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