

OLY WALL NHL

Product based on natural hydraulic lime to be mixed with aggregates to make plasters and masonry works (overlock, bedding and stylings)



OLY WALL NHL is a product based on natural hydraulic lime NHL with the addition of natural white pozzolana with hazelnut hues. Mixed with washed sand and water, it allows to obtain masonry mortars for making plasters, "like-for-like replacement" works, grouting and stylization of brick or stone elevations. It is physically and chemically compatible with the components used in the walls; it has a low content of water-soluble salts. In contact with water, the lime reacts to form very poorly soluble and very stable hydrate products of a basic nature. The advantages include: high performance (low soluble salt content; excellent chromatic effect); compatible (physically and chemically compatible with the components used in ancient walls).

Mixed with washed sand of suitable granulometry and water in the right proportions, **OLY WALL NHL** allows to obtain masonry mortars to carry out interventions of "like-for-like replacement", grouting and stylings of brick or stone elevations.

Use	Aggregate	Dosage
Screed	Gravel from 0 to 8 mm	300 Kg/m ³
Bedding mortar	Gravel from 0 to 5 mm	350-500 Kg/m ³
Render	Gravel from 0 to 5 mm	350-500 Kg/m ³
Plaster	Gravel from 0 to 3 mm	350-500 Kg/m ³

Properties	Value
Appearance	Powder
Colour	Beige - Hazelnut
Application temperature	+2 - +35°C
pH in aqueous dispersion	11,5 - 12,5
Particle size distribution UNI EN 1015-1 passing through 0.09 mm	100%
Particle size distribution UNI EN 1015-1 passing through 0.06 mm	91%
Setting time UNI EN 196-3	120 ± 30 minutes
End of setting time UNI EN 196-3	230 ± 30 minutes
Bleeding UNI480-4	Absent
Compressive strength after 7 days UNI EN 196-1	> 1,9 MPa
Compressive strength after 28 days UNI EN 196-1	> 3,1 MPa
Flexural strength after 7 days UNI EN 196-1	> 0,6 MPa
Flexural strength after 28 days UNI EN 196-1	> 0,8 MPa

Characteristics of the mixture made with 300 Kg/m ³ of binder*	Typical value
Compressive strength after 7 days UNI EN 196-1	> 4,4 MPa
Compressive strength after 14 days UNI EN 196-1	> 6,0 MPa
Compressive strength after 28 days UNI EN 196-1	> 8,4 MPa
Flexural strength after 7 days UNI EN 196-1	> 1,2 MPa
Flexural strength after 14 days UNI EN 196-1	> 1,5 MPa
Flexural strength after 28 days UNI EN 196-1	> 2,1 MPa

* mixture for making screeds with 300 kg/m³ of binder, 7% mixing water, with normalized sand.



Instruccions for correct installation

OLY WALL NHL must be mixed on site with drinking water and with washed aggregates of suitable particle size and color; the dosage varies from 350 to 400 Kg/m³ depending on the use. The mixing water must be dosed to the bare minimum, based on the humidity of the aggregates: any excess water decreases the final performance of the product. It is advisable to introduce 3/4 of the necessary water into the mixer, adding the product and the remaining water continuously until the desired consistency is obtained. Mix thoroughly until a perfect amalgam is obtained. The surfaces to be treated must be compact, perfectly washed with pressurized water and moistened to saturation, without water in stagnation. Apply with normal manual or mechanical equipment. Do not mix the product by adding water once it has set. Apply on clean, dust-free surfaces, inconsistent parts, paints, grease and any other material that could compromise good adhesion.

Consumption

350-400 Kg/mc of mortar

Package

Multi-layer paper bag of 15 Kg.
Pallet 90x15 – 1350 Kg.

Storage, use and safety precautions

The product fears humidity, store in tightly closed containers, in a sheltered and dry place. In these conditions its stability is 12 months.

Certifications

All the products *OLYMPUS-FRP* are certified by our producers. It is possible to receive the certificate of origin of the materials and the certificate of characterization of mechanical properties.

Warnings

Given the possibility that different supplies of the same raw materials have slightly discordant colors, between one production batch and the other there may be small chromatic variations that do not in any way affect the technical performance of the products supplied. Do not mix the product by adding water once it has set. Do not dilute excessively to avoid that the product loses its chemical-physical and mechanical properties becoming crumbly. Do not add cement, aggregates, additives or other mortars. Check the integrity of the package before use and do not use the product with lumps. Use all the material once the package has been opened. Do not perform applications on sunny surfaces, with temperatures lower than + 2°C or higher than + 35°C. The technical characteristics and methods of application indicated by us in this bulletin are based on our current knowledge and experience, but cannot imply any guarantee on our part on the final result of the product applied. The customer is required to verify that the product is suitable for the intended use and to ensure that the technical bulletin is valid and not passed by subsequent updates.

Product for professional use

Rev. 001-20

For information, technical assistance and additional systems for structural reinforcement, visit the website:

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