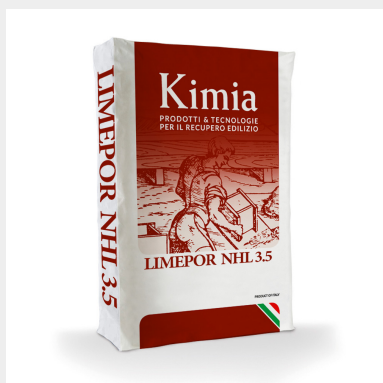


## Limepor NHL 3,5

ST3-0217

*Natural hydraulic lime based mortar to be mixed with aggregates. Suitable for plasters and masonry works (break-fill and joints filling).*



### DESCRIPTION

**Limepor NHL 3.5** is an NHL-3.5 hazel brown hydraulic which can be easily coloured on site fired at low temperatures in accordance with traditional techniques. The high quality of the natural hydraulic lime means the product will not result in efflorescences, given the low content of water-soluble salts. It is physically and chemically compatible with the components of historic buildings; in contact with water, the hydraulic lime reacts to form hydrated products that are extremely insoluble and very stable in terms of the chemical base.

### ADVANTAGES

- **Performing:** low soluble salts, the high quality of the product allow you to get mortars with no efflorescences.
- **Compatible:** the raw materials used are fired at low temperatures according to traditional techniques. Chemical compatibility with traditional materials of historic buildings.
- **Versatile:** can be coloured on site and used in break-filling works, grouting and pointing of brick or stone surfaces.




### USES

Mixed with local sand of proper colour and granulometry, **Limepor NHL 3.5** is ideal for break-fill work and to point terracotta facades or exposed stone surfaces.

### WORKS

- Internal and external plasters with binder mixed with sand.
- Renovation of masonry with break-fill system.
- Pointing of cotto tiled and exposed stones with binder mixed with sand.

### APPLICATION

	Manual application		Normal curing time: 60 mins
	Mechanical device application		

**Limepor NHL 3.5** should be mixed on site with drinking water and washed inert materials of a suitable granulometry and colour; dosage goes from 350 to 400 kg/m<sup>3</sup> depending on the application.

The minimum amount of mixing water possible must be added, depending on the humidity of the inert materials: excess water will impair the final performance of the product. We recommend you put 3/4 of the water required in the mixer, then gradually add the remaining amount until the right consistency forms. Mix carefully to form a smooth mixture. Surfaces to be treated should be compact, cleaned thoroughly with a highpressure washer and damped to saturation point without leaving any excess water.

Apply with normal manual or mechanical tools. Do not remix by adding water to the product when it has already started to set. It must be applied to clean, dust-free surfaces with no loose parts or traces of paint, grease or any other material that may impair the quality of the bond.

### CONSUMPTION

350-400 Kg/mc of mortar

### PACKAGING

25 Kg bags  
Pallet 63x25 – 1575 Kg.

### STORAGE

Protect from humidity. Store in a dry, sheltered place. Stored in these conditions and in unopened containers, the product remains stable for 12 months.

Characteristics	Value
Appearance	Powder
Colour	Hazel
Classification	NHL 3,5
Apparent volumetric mass UNI EN 459-2	0,7 g/cm <sup>3</sup>
Application temperature	+2 - +35 °C
pH in water dispersion	11,5 - 12,
Stability UNI EN 459-2	< 0,50 mm

Characteristics	Limit value for limes NHL 3,5 according to UNI EN 459-1
Compressive strength	>= 3,5 - <= 10
Curing time	Start > 1 h End <= 30 h
Air content	<= 5%
SO <sub>3</sub>	<= 2%
Loose lime	>= 25%
Stability	<= 2 mm
Residual mass @ 0,09 mm	<= 15
Residual mass @ 0,2 mm	<= 2
Penetration	> 10 - < 50

## WARNING

Product for professional use.

The use of natural raw materials may result in natural color variations from one production lot to another.

If the product is not covered, use only material from the same batch of production and organize the installation in continuity or, if not possible, apply the product for environments cuts in correspondence with string courses, edges, etc..

Use the lower quantity of water.

Before using, check bags have not been damaged, and do not use the product if there are any lumps.

Use the entire content once the bag has been opened.

Do not apply **Limepor NHL 3.5** to surfaces with loose, flaky parts: contact our technical support service for assistance.

Do not apply at temperatures under +2 °C, to surfaces in direct sunlight, when it is about to rain, or on windy or misty days.

Use ready-mixed products in Limepor or Tectoria ranges to make renders, finishing products and screeds.

The technical specifications and application methods recommended herein are based on our current knowledge and experience and do not represent any form of guarantee of the final results obtainable with the product.

It is the customer's responsibility to check that this data sheet is still effective and has not been replaced with a more recent version, and that the product is suitable for the intended use.