



## Limepor FN

ST14-1219

*Natural hydraulic lime-based mortar for skimming works on interior and exterior surfaces, max granulometry 1 mm.*



### DESCRIPTION

**Limepor FN** is a skimming mortar for traditional plasters or Limepor-based ones. Its colour is hazel-beige, it is ready to use, hydraulic lime-based, with natural pozzolanas and aggregates, having max granulometry of 1 mm.

In contact with water, the hydraulic lime reacts to form hydrated products that are extremely insoluble and very stable in terms of chemical base. It is a CE marked product as mortar for interior and exterior GP CS III in compliance with the 998-1.

### ADVANTAGES

- Low content of water-soluble salts.
- Excellent chromatic effect.
- Physically and chemically compatible with the materials used in ancient masonry.

### USES

Skimming coat for traditional interior/exterior plastering **Limepor** or **Tectoria**; skimming of dehumidifying plasters mono and multi-product; skimming coat for heat-insulating plasters (along with **Kimitech 350** or **Kimitech 500** mesh).

### WORKS

- Skimming of interior or exterior plasters with max granulometry 1mm. ([SA40](#))

### APPLICATION

	Manual application		Workability time of fresh mortar: 135 ± 30 mins
			Mixing water: 5,2-5,8 lt/ 25Kg
	Max thickness per coat: 3 mm for vertical application		

**Limepor FN** has to be mixed with drinking water.

We recommend to put 3/4 of the water required in the mixer then gradually add the remaining amount until you get the right consistency. Mix carefully to get a smooth mixture.

No other binders must ever be added to the mixture during preparation and laying.

Apply with normal manual or mechanical tools.

Do not remix by adding water to the product when it has already started to set.

**Limepor FN** must be applied to dry, cured surfaces that are leveled, compact, clean and dust-free, with no loose parts or traces of paint, grease or any other material that may impair the quality of the bond.

Wet the substrate well, spread two coats of the product using a metal spatula, waiting until the first coat has started to set before applying the second one; deeply smooth the top coat until the surface is perfectly sealed and leveled.

Do not apply the product in layers thicker than 3 mm.

### CONSUMPTION

1,5 Kg/m<sup>2</sup>/mm.

### PACKAGING

25 Kg bags

Pallet 60x25 – 1500 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
Colours	Hazel-beige
pH in water dispersion	11,5 - 12,5
Application temperature	+2 - +35 °C
Particle size distribution EN 1015-1 (granulometry 1,00mm)	100 %
Particle size distribution EN 1015-1 (granulometry 0,60mm)	81 %
Particle size distribution EN 1015-1 (granulometry 0,09mm)	35 %
Particle size distribution EN 1015-1 (granulometry 0,06mm)	32 %
Apparent density of fresh mortar EN 1015-6	1760 ± 50 Kg/m <sup>3</sup>
Workability time of fresh mortar EN 1015-9	135 ± 30 mins
Correction time of wet mortar EN 1015-9	4 ± 1 mins
Fresh mortar consistency EN 1015-3	150-170 mm
Adhesion of concrete EN 1542	0,50 MPa
Thermal conductivity EN 1745	0,76 W/m <sup>2</sup> K

Characteristics	Limit value for GP mortars	Value
Dry bulk density EN 1015-10	Declared value	1780 Kg/m <sup>3</sup>
Mechanical strength in compression in 28dd EN 1015-11	CS I (0,4 – 2,5 Mpa) CS II (1,5 – 5 Mpa) CS III (3,5 – 7,5 Mpa) CS IV (≥ 6 Mpa)	CS III
Adhesion EN 1015-12	Declared value	> 0,6 N/mm <sup>2</sup> - FP: B
Capillar water absorption EN 1015-18	Declared value	W0
Coefficient of permeability of water vapour EN 1015-19	Declared value	μ ≤ 15
Thermal conductivity I <sub>10, dry, mat</sub> values EN 1745	Average value as per table (P = 50%)	0,80 W/m <sup>2</sup> K
Reaction to fire EN 13501 - 1	Declared value	A1
Durability	Declared value	NPD
Hazardous substances	Declared value	See SDS

## 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 defined by clean cuts in correspondence with string courses, edges, etc..

Only use enough water to obtain the right mix.

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

Use the entire contents once the bag has been opened.

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

Do not apply at temperatures under +2 °C or above +35 °C, to surfaces in direct sunlight, when it is about to rain, or on windy or misty days.

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.

## TECHNICAL SPECIFICATIONS

**SK40** - Smoothing of interior and exterior plasters with a 1 mm max. grain size finish

In case of old but compact plasters, clean the existing plasters in order to eliminate old paints and inconsistent parts (which could affect the good anchoring) with pressure washing at suitable pressure and where necessary, with mechanical abrasions. On SSD apply **Limepor FN** smoothing mortar by Kimia S.p.A. or similar product with a metal trowel (respecting a consumption of 1.4 Kg / m<sup>2</sup> / mm of thickness).

The smoothing product for internal and external surfaces of beige-hazel color, consists of natural hydraulic NHL lime (CE marked on the basis of EN 459) with the addition of natural pozzolan and selected siliceous aggregates with a maximum grain size of 1 mm, characterized by a low content of water-soluble salts and from physical, chemical and mechanical compatibility with the components used in ancient masonry. It will be prepared and applied scrupulously following the indications reported on the technical sheets supplied by the Manufacturer and must have the following characteristics:

- Workability time of fresh mortar EN 1015-9: 135 ± 30 minutes;
- Correction time for fresh mortar EN 1015-9: 4 ± 1 minutes;
- Consistency of fresh mortar EN 1015-3: 150 -170 mm.

The basic binder of the product will be CE marked on the basis of EN 459 009 / CPD / A46 / 0003. The product will be CE marked as a mortar for internal and external GP CS III according to EN 998-1.