



## Limepor SK

ST12-1219

*Natural hydraulic lime based mortar for plasters.*



### DESCRIPTION

**Limepor SK** is a white finishing stucco is composed of natural hydraulic lime and fine granulometry of aggregates (< 0.1 mm).

Natural hydraulic lime creates a product with mechanical and chemical properties that are far higher than any other dry powder hydrated lime or slaked lime finishing product.

It is CE marked as GP CS II mortar in compliance with the EN 998-1.

### ADVANTAGES

- Chemical compatibility with materials used in historic buildings.
- Low water-soluble salt content; the high quality of the product makes it efflorescence-free.

### USES

Skimming coat for traditional plasters and/or renders; Finishing coat for plasters and/or renders made with **Limepor** or **Tectoria** mortars; Skimming coat for dehumidifying plasters/renders made with **Limepor** or **Tectoria** systems.

### WORKS

- Stucco skimming of interior facades or walls with a mineral smooth finish ([SA38](#))

### APPLICATION

	Manual application		Mixing water: 6,5-7,5 lt/ 20Kg
	Max thickness per coat: 1 mm		

**Limepor SK** must be mixed with drinking water (see the table).

We recommend to put 3/4 of the water required in the mixer then gradually add the remaining amount until you get right consistency. Mix carefully until you 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 SK** must be applied to dry, cured surfaces that are level, 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 then spread two coats of the product using a metal spreader, waiting until the first one has started to set, but is still wet, before applying the second.

Do not apply the product in layers that are more than 1 mm thick.

### CONSUMPTION

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

### PACKAGING

Bag 20 Kg.

Pallet 60x20 – 1200 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	White
pH in water dispersion	12 ± 0,5
Application temperature	+2 - +35 °C
Mechanical compression strength in 28 days - EN 1015-11	> 3,5 MPa
Flexural strength in 28 days EN 1015-11	> 1,5 MPa
Particle size distribution EN 1015-1 (granulometry 0,09mm)	98,5 %
Particle size distribution EN 1015-1 (granulometry 0,063mm)	76,9 %

Characteristics	EN 998-1 limit values	Value
Dry bulk Density EN 1015-10	Declared value	1580 Kg/m <sup>3</sup>
Mechanical compression strength in 28 days EN 1015-11	CS II (1,5 – 5 Mpa)	CS II
Adhesion EN 1015-12	Declared value	≥ 0,6 % N/mm <sup>2</sup> – FP : B
Capillary water absorption EN 1015-18	Declared value	W0
Coefficient of permeability to water vapour EN 1015-19	Declared value	μ ≤ 15
Thermal conductivity λ <sub>10, dry, mat</sub> values EN 1745	Average Value as per table (P=50%)	0,58 W/m*K
Durability	Declared Value	NPD
Reaction to fire class EN 13501-1	Declared Value	A1
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 this is not possible, apply the product for environments or mirroring defined by cuts in correspondence with string courses, edges, etc..

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 SK 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

### SK38 - Stucco skimming of interior facades or walls with a mineral smooth finish

In case of old but compact plasters, clean the existing plasters to remove old paints and flaking parts (which could compromise the good anchoring) with a suitable pressure washing and, where necessary, with mechanical abrasions .

On SSD apply the product with a two-handed metal spatula with lime-based filler for smoothing ready to use Limepor SK by Kimia S.p.A. or similar product. The thickness of the finish will be maximum 1 mm with a maximum consumption of materials in both layers of 1.3 kg/sqm.

The white leveling mortar for internal and external surfaces, made up of NHL natural hydraulic lime (CE marked according to EN 459), characterized by a low content of water-soluble salts and by 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 provided by the Manufacturer and will have the following characteristics:

- Compressive strength after 28 days EN 1015-12:> 3.5 MPa;
- Flexural strength after 28 days EN 1015-11:> 1.5 MPa;
- Grain size distribution EN 1015-1 (granulometry 0.09mm): 98.5%;
- Grain size distribution EN 1015-1 (granulometry 0,063mm): 76.9%.

The basic binder of the product will be CE marked according to EN 459 009/CPD/A46/0003.

The product will be CE marked as a mortar for internal and external GP CS II according to EN 998-1.