



## Limepor PLUS

ST4-0221

*Ready-to-use mortar for internal and external plasters and skimming coats*



### DESCRIPTION

**Limepor PLUS** is a fibre-reinforced mortar made out of NHL which can be used for both plasters and skimming coats on internal and external surfaces, even for historic sites.

**Limepor PLUS** has a low soluble salts content and it is physically and chemically compatible with the materials used in ancient masonry..

It is a CE marked product as mortar for interior and exterior GP CS II in compliance with the 998-1.

### ADVANTAGES

- 2 in 1 product: suitable for plaster and skimming coats at the same time, helpfull in reducing time of applications.
- Thickness of application, in a single coat, from 3 up to 30 mm.

### USES

- Skimming coat on traditional plasters, both internal and external using product of Limepor or Tectoria ranges;
- Internal and external plaster of masonry existing walls;
- Suitable for plastering and application of the skimming coat at the same time;
- Regularization of very rough surfaces;
- Restoring and regularization of moldings and decorative elements.

### WORKS

- Application of plaster and skimming coat for internal and external wall surfaces with ready-to-use mortar ([SA116](#));

### APPLICATION

	Manual application		Workability time of fresh mortar: 120 ± 20 mins
	Mechanical device application		Mixing water: 7,5 lt/ 25Kg
	Max thickness per coat: 3 to 30 mm for vertical application		

**Limepor PLUS** has to be mixed with potable 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 PLUS** 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.

### CONSUMPTION

1,45 Kg/m<sup>2</sup>/mm.

### PACKAGING

25 Kg Bags.

### 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
Colori	Off-white
pH in dispersione acquosa	11,5 - 12,5
Binder (EN 459-1)	NHL 3,5 e NHL 5
Application temperature	+2 - +35 °C
Maximum granulometry EN 1015-1	1,20 mm
Workability time of fresh mortar EN 1015-9	120 ± 20 min
Thermal conductivity EN 1745:2002	0,47 W/mK (value as per table) - P=90%
Bulk density	1450 Kg/m <sup>3</sup>
Compressive resistance at 28 days EN 1015-11	3 MPa
Flexural resistance at 28 days EN 1015-11	> 1 MPa
Elastic modul	3500 MPa

Caratteristica	Valore limite per malte GP	Valore tipico
Dry Bulk density EN 1015-10	Declared value	1450 Kg/m <sup>3</sup>
Compressive resistance at 28 days 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 II
Adhesion EN 1015-12	Declared value	> 0,2 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	Avarga value as per table (P = 50%)	0,47 W/m*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 this is not possible, apply the product for environments definitida 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 PLUS** 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 manufacturer shall not be liable for any damage to the equipment resulting from an improper use of the material. For further information and advice on safe handling, storage and disposal of chemical products, the user must refer to the most recent Safety Data Sheet, containing physical, ecological, toxicological and other data related to safety. All technical data shown in this Technical Data Sheet are based on laboratory tests. Actual measurement data may vary due to circumstances beyond our control. The information and requirements indicated in this Technical Data Sheet are based on our current knowledge and experience and are to be considered, in any case, purely indicative. They cannot guarantee the final result of the applied product and they have to be confirmed by exhaustive practical applications; therefore the user must test the suitability of the product for the intended application and its purpose. Users must always refer to the latest version of the local technical data sheet related to the product.

## TECHNICAL SPECIFICATIONS

**SK116** - Application of plaster and skimming coat for internal and external wall surfaces with ready-to-use mortar

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 the surface with SSD conditions, (respecting consumption of 1,45 Kg/mq/mm) apply the mortar for plasters and skimming coats Limepor PLUS by Kimia S.p.A. or a similar product. The product can be applied by hand or with adequate machine and the final coat can be treated with metal spatula or sponge trowel.

The fiber-reinforced mortar can be used for both plasters and skimming coats; furthermore can be used for internal and external purpose, applying the products with thickness from 3 up to 30 mm for each coat. It will be prepared and applied scrupulously following the indications reported on the technical sheets provided by the Producer and will have the following characteristics:

- Colour: off-white;
- Maximum granulometry EN 1015-1: 1,20 mm;
- Workability time of fresh mortar EN 1015-9: 120 ± 20 min;
- Thermal conductivity EN 1745:2002: 0,54 W/mK (value as per table) per P=90%
- Bulk density: 1350 ± 50 Kg/m<sup>3</sup>
- Compressive resistance at 28 days EN 1015-11: 3 MPa
- Flexural resistance at 28 days EN 1015-11: > 1 MPa
- Elastic module: 3500 MPa

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