

## MortarSuper Premium

Version: mar-21

*MortarSuper Premium* is a superfine lime-based mortar with Graphenstone technology thus having high breathability and workability. It is applied as a final coat for high-decoration finishes such as ironing, texturised, combed, etc. Ideal for plastering, rehabilitation and restoration of listed / historical buildings.

### PRODUCT DESCRIPTION

#### Features:

Highly breathable. Avoids condensation build-up.  
Excellent flexibility and adhesion.  
Tough and long-lasting.  
Low water absorption.  
Outstanding workability.  
Absorbs CO<sub>2</sub>.  
High quality lime and Graphenstone technology.  
Suitable for interiors and exteriors.  
Free of VOC and formaldehyde emissions.  
Cradle to Cradle Certified™ GOLD.  
Environmental product declaration.



#### Technical properties:

Apparent density		
· Fresh	EN 1015-6	2125 ± 100 kg/m <sup>3</sup>
· Hardened	EN 1015-10	1985 ± 100 kg/m <sup>3</sup>
Compressive strength	EN 1015-11	CS II
Adhesion	EN 1015-12	≥ 0.5 N/mm <sup>2</sup>
Capillary water absorption	EN 1015-18	W 2
Coefficient of water vapor permeability	EN 1015-19	≤ 15 μ
Fire resistance	EN 13501-1	A1
Thermal conductivity (λ <sub>10, dry</sub> )	EN 1745	1.11 W/m·K (Tabulated value)
Composition	-	Aerial lime in paste
Natural colour	-	Greyish-White
Yield on level substrate* - Coverage*	-	3.5 kg/m <sup>2</sup> for 1-2 mm 1 Lb/Sq.Ft. for 1/16"

\*It depends on the type and condition of the substrate.

#### CE Marking:

Classification CE: GP CS II W 2 (UNE EN 998-1)



#### Colours:

Chart GCS 980. Colour tones may vary slightly due to the mineral character of the product.

#### Pack size:

Supplied in 11.25 kg bag together with *Kalgraphin Premium*.

#### Storage:

Store in original container. Keep tightly sealed in cool, dry place. Do not store in extremes of temperature, avoid direct exposure to sunlight and protect from frost. Unopened, storage stability is 36 months from date of manufacture.

### APPLICATION METHOD

#### Substrate Types:

Usually applied on plasters. It can be applied to other surfaces with correct preparation of the substrate: prefabricated panels, concrete, paint, tiles, etc.

#### Substrate Condition:

The substrate must be dry, firm, well adhered, even and free of any impurities that could hinder the perfect bonding of the product.

## Substrate Preparation:

Any organic growth and/or other impurities should be removed by thorough cleaning using specific products for this purpose.

Depending on the nature of the surface, the actions prior to application of the mortar vary as follows:

If the substrate has poor adhesion, brush and apply *Minerseal Premium* diluted 3:1 with water.

If the substrate has salt deposits, brush and apply *Neutralysal Premium*.

On substrates without porosity, apply *Contak Premium*.

On low porosity or highly absorbent substrates, apply *Naturglue Premium* leaving it scratched or brushed and leave it to dry for 24 hours.

## Product preparation:

Pour off the surface water from the Kalgraphin Premium container (do not throw away). Mix the contents of the bag with the remaining contents of the Kalgraphin Premium container. Depending on the desired consistency, add the removed water, never more than 0.5L. Mechanically mix until homogeneous and let it rest for 20-30 minutes before application.

## Application method:

Apply a first coat thinly and then apply the second coat evenly up to the required thickness. Recommended working thickness 1-5 mm, maximum 5 mm per day. Once dry, finish according to the desired finish.

If there are substrates of a different nature, reinforcing meshes should be used.

## Drying:

In conditions of 25 °C (77 °F) and 60% relative humidity: 24-48 hours between layers of mortar, 24 hours for its protection or at least 4 days for Graphenstone® painting. The carbonation process occurs after the first 30 days from initial application.

## Ambient conditions:

The working temperature (ambient and substrate) must be between +5 °C and +30 °C (41 °F and 86 °F). Do not apply in direct sunlight, strong winds, rain or on surfaces heated by the sun.

## Tools:

Preparation: mechanical agitator, bucket.

Application: trowel.

Finishing: finishing trowel.

## Tool cleaning:

Clean tools after use with warm water.

## Notes:

Do not drench the substrate before application, only lightly moisten if very dry.

Be careful not to add too much water into the mix.

Do not water for hardening, the product hardens by absorbing CO<sub>2</sub> in the atmosphere.

It is recommended to protect the treated surface from rain for at least 4 days before initial application.

If left unpainted it is recommended to protect with *Minerseal Premium*. In very humid or highly polluted areas, *Hydroxeal Premium* is recommended to minimise water absorption.

Parts that are not going to be treated must be protected (glass, wood, etc.).

Do not mix with other brands to maintain product efficacy.

### Complementary products:

*Graphenstone®* products are recommended for the preparation of the substrate and protection of the finish. Refer to the relevant Technical Data Sheets.

## DECLARATIONS

The manufacturer declares that, due to the composition of the product, it contains no hazardous materials, no plasticizers and is free of VOC emissions. Likewise, it complies with the criteria of CE Marking according to UNE-EN 998-1.

For further information please check our website: <http://graphenstone.com/Graphenstone-Global-Certificados.html>

## ADDITIONAL INFORMATION

### Usage warnings:

None, particularly in situations where normal product application is expected and by people without any

specific medical conditions. Alkaline product, protect skin and eyes especially. Do not inhale the product. Keep out of reach of children.

### Waste management:

According to local legal regulations. The containers are made of polypropylene. Please contribute to the protection of the environment, do not throw waste down the drain and use the nearest recycling point.

### Sustainability gesture:

Minimise product waste by carefully estimating the amount you will need. Store any unused product for future use according to the "Storage" guidelines.

### Safety information:

For information regarding safety, physical, ecological and toxicological details please see the latest version of the product's Material Safety Data Sheet.

### Technical Support:

For further information, please contact your local distributor or manufacturer. ([technicalsupport@graphenstone.com](mailto:technicalsupport@graphenstone.com)).

The information provided is given in good faith, based on current knowledge and IEdiSA's experience with the products when they are properly stored, handled and applied in normal situations and in accordance with the recommendations of IEdiSA. The Technical Specifications sheet is useful for information and consulting but is not legally binding. In particular, it does not exempt the user from testing and verifying the suitability of the product for the desired application and purpose. IEdiSA reserves the right to modifications that improve