

## Kalgraphin Premium

Version: jun-21

*Kalgraphin Premium* is a lime paste with Graphenstone technology for the preparation of mortars for building mortars for building, rehabilitation and restoration of historic buildings.

### PRODUCT DESCRIPTION

#### Features:

Component for preparation of mortar.  
Excellent flexibility and adhesion.  
Low water absorption.  
Good workability.  
Absorbs CO<sub>2</sub>.  
Contains high quality lime and graphene.  
Antibacterial/anti-mould effect.  
Insect repellent.  
Breathable. Avoids condensation.  
Tough and long-lasting.  
Suitable for interiors and exteriors.  
Free of VOCs and formaldehyde emissions.

#### Technical properties:

Specific weight	ISO 2811-11	1.25 ± 0.05 g/cm <sup>3</sup>
pH	-	12.5 ± 1
Viscosity	UNE 48076	< 50 K.U.
Reaction to fire	EN 13501-1	A1
Appearance	-	Dense white liquid

#### Pack Size

Available in pots of 4.5 kg.

#### Storage:

Keep in original pack, closed and in a cool and dry place. Keep from freezing and avoid direct sun exposure. Unopened, it may be conserved for at least 12 months.

### APPLICATION INSTRUCTIONS

#### Conditions of the substrate:

The substrate must be dry, firm, well adhered, free of any impurity and must have a grip to ensure the adhesion of the product.

#### Product preparation:

Pour off the water from the paste and mix the paste with appropriate aggregate according to the final application. If necessary, re-add this water, but never more than 1 l. Mix with an electrical beater or mechanically until it is completely even.

#### Application method / Drying / Tools:

Please, refer to the relevant Technical Data Sheets according to the type of mortar to be prepared: *MortarBase Premium*, *MortarFine Premium*, *MortarSuper Premium*, *Naturglue Premium* o *Therm slab Premium*.

#### Environmental conditions:

The work temperature (environment and support) must be greater than +5 °C and less than +30 °C. Do not apply in direct sunlight, strong winds, rain, freezing or on supports heated by the sun.

#### Tool cleaning:

Clean tools after use with warm water.

#### Notes:

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

Careful not to add too much water into the mix.

Do not wet new mortar in order to harden it; it hardens by absorbing atmospheric CO<sub>2</sub>.

The indicated times are for environmental conditions of 25 °C and 60% relative humidity.

Do not apply to surfaces in constant contact with water.

In case of rain, let the substrate dry for at least 48 hours before applying.

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

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

Do not mix with other products or specific properties may change.

#### Complementary products:

It is recommended to use the *Graphenstone*® product line for complementary actions, according to the required application, repair and/or finish. Please, 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.

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 the product or its application. This version invalidates previous ones.

