



## Naturglue Premium

Version: feb-17

*Naturglue Premium* is a highly flexible, high quality, ecologically adhesive mortar.

### PRODUCT DESCRIPTION

#### Where to apply:

Ideal for bonding tiles, ceramics and as an anchor for insulation boards and non-flooding solutions. Also for the rehabilitation and restoration of Listed Properties that require mortars identical to the original.

#### Features:

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.  
 Low VOCs content.

#### Yield:

Coverage depends on the number of coats, type and condition of the support. As an estimate, for a completely even support, we consider 4 kg/m<sup>2</sup> (thickness of 5 mm). The exact consumption must be determined by means of a sample of the job.

#### Components:

Rich aerated lime\*, selected aggregates, graphene fibre, natural additives. Complies with the requirements of the standard DIN 18363 (≤ 5% of organic content).

*\*Derived from CL90-quality limestone and artisanal production recognised by UNESCO as Intangible Cultural Heritage of Humanity.*

#### Format:

The aggregates are presented in a 13 kg sack. Separately, *Kalgraphin Premium* in a pot of 4.5 kg.

#### Technical properties:

##### Densidad:

· Powder	-	0.95 g/cm <sup>3</sup>
· Paste	EN 1015-6	1.2 g/cm <sup>3</sup>

##### Initial adhesion

EN 1015-12 ≥ 0.5 N/mm<sup>2</sup>

##### Resistance

EN 1015-11 > 1 N/mm<sup>2</sup>

##### Fire reaction

EN 13501-1 A1

#### Colours:

Offered in its natural colour, sand.

#### 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.

#### Preparation of the substrate:

If the substrate contains impurities, it is recommended to clean it with pressurised water. Should there be colonies of mould, lichens, algae and bacteria, brush with sodium hypochlorite (bleach) and wait at least 48 hours before rendering.

If the substrate is sandy, dusty, etc. brush and consolidate with *Minerseal Premium* diluted 3:1 with water.



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

If the substrate contains pathologies such as moisture due to capillarity, condensation, leak, biodeterioration or movements of the substrate, etc., then it is necessary to resolve the structural problems first.

If the substrate has little absorption, grip (smooth substrates, plasticization, ceramics, wood, etc.), apply *Contak Premium*.

### Product preparation:

Pour off the water from the *Kalgraphin Premium* pack. Mix the contents of the sack (aggregates) with the remaining contents of the *Kalgraphin Premium* pack. If necessary re-add this water, never more than 1 l. Mix with an electrical beater or mechanically until it is completely even.

### Application method:

Apply manually in an even manner. Finish according to the required function: with toothed trowel to bond tiles, SATE (Exterior Thermal Insulation System), etc. Or leave a trowel finish for applying *Graphenstone®* mortar or if a top coat

If the supports are different, use mesh.

The working thickness is 2-10 mm.

### Drying:

In conditions of 25 °C and 60% relative humidity, allow one week drying after bonding tiles, SATE (Exterior Thermal Insulation System), etc. and at least 4 days for the desired finished.

The physical and chemical hardening (carbonation process) mainly occurs during the first 30 days.

### 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.

### Tools:

Trowel, toothed trowel, 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.

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 the composition of the product, it does not contain hazardous substances. It complies with the criteria of CE Marking according to UNE-EN 12004:2008+A1:2012.

### ADDITIONAL INFORMATION

#### Usage warnings:



None in particular for normal use and people who do not have special pathologies. Alkaline product, protect skin and eyes especially. Apply with good ventilation, do not inhale product. Keep out of reach of children.

**Waste management:**

According to local legal provisions. The packages are made of recycled polypropylene.

**Safety information:**

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

**Technical substrate:**

For further information, please contact your local distributor or manufacture:

[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.

