



Kalgraphin Premium



Hydrated Lime Mixture for Historical Restoration

Kalgraphin Premium is a lime paste component infused with graphene technology, designed for preparing mortars used in building construction, rehabilitation, and the restoration of historic buildings.

Product Features

- Component for preparation of mortar for buildings, rehabilitation, and restoration of historic buildings.
- Zero VOCs and without carcinogens (Formaldehyde)
- Unique formula based on high-quality lime. It eliminates CO2 improving air quality and eco-friendliness.
- Excellent flexibility and adhesion with graphene technology. Able to conceal hair cracks.
- Lime base helps highly breathable on the surface. Avoids condensation.
- Suitable for interiors and exteriors.

Application Instruction

Substrate Preparation

- The substrate must be dry, firm, well-adhered, free of any impurities, and must provide sufficient grip to ensure the adhesion of the product.

Product Preparation

- Open the packaging of the Kalgraphin Premium. Pour off the water from the top and set it aside for adjusting the mixture ratio. Use the remaining contents at the bottom of the bucket.
- Pour the Mortar product into the remaining contents of the Kalgraphin Premium then mix them together.
- If the mixture is too viscous, you can add the water set aside earlier, but do not add more than 1 liter.
- Mix with a mechanical mixer until its total homogenization and adequate consistency. Leave for 20-30 minutes.
- Re-stir 1 minute more before applying.



Application Method

- Please refer to the relevant Technical Data Sheets according to the type of mortar to be prepared: MortarBase Premium, MortarFine Premium, MortarSuper Premium, or Naturglue Premium.

Environmental Conditions

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

Additional Information

- Do not drench the substrate before application, only lightly moisten if very dry.
- Do not add too much water into the mixture.
- Do not wet new mortar to harden it; it hardens by absorbing atmospheric CO₂.
- Do not apply to surfaces in constant contact with water.
- In case of rain, let the substrate dry before applying.
- It is recommended to protect the treated surface from rain for at least 4 days.

Caution

- It is recommended to wear safety equipment, such as gloves, dust masks, safety glasses or other safety equipment.
- In the event of eye contact, rinse your eyes with clean water several times immediately and seek medical advice promptly.
- Keep out of reach of children.

Storage

- Store the product in its original packaging.
- Keep the product in a dry place.
- Avoid storage locations exposed to direct sunlight or high temperatures.
- If unopened, the product can be stored for at least 36 months from the date of manufacture.
- If the product is not fully used after mixing, cover it with approximately 1 inch of clean water and seal the container tightly to prevent hardening (Check the product every 3 months. Before use, pour out the water and mix again. If the mixture is too thick, add water until it reaches the desired consistency for application.)

Packing

- Pack size: 4.5 kg

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