

# MortarFine Premium



## Natural Mortar for rendering

MortarFine Premium is a lime stone mortar with graphene technology. Ideal for plastering in building, rehabilitation and restoration of listed properties. The product has a moderately coarse texture. Suitable for use the surface coating requiring a thickness of 2-5 millimeters.

### Product features

- For rendering in rehabilitation work and restoration
- Bi-component. It is mixed together with Kalgraphin Premium. Can be mixed to have the desired color. \*
- No smell of volatile substances (Zero VOCs) and without carcinogens (None-formaldehyde) Safe for health.
- Unique formula based on high quality lime. It eliminates CO<sub>2</sub> improving air quality and eco-friendliness.
- Lime stone helps highly breathable on surface. Avoids condensation.
- Maintain the original material. Suitable for rehabilitation work and restoration.
- Excellent flexibility and adhesion with graphene technology. Able to conceal hair cracks.
- Low water absorption.
- Suitable for interiors and exteriors.
- After mixing keep the remaining mortar by water casting.
- It is applied as final coat to make smooth finishing.

**Color Mixing** : The shading will be Pastel \*Additional inquiry please contact to technical advisor or the company.

**Certificates** : Cradle to Cradle Gold, Sensitive Choice, French VOC A+



## Application Instruction

### Application area

The product can be applied on general construction materials such as brick, concrete, etc.

### Coverage

Approximate 4 kg/m<sup>2</sup> for surface thick 2 mm. It depends on the type and condition of the substrate. The exact consumption must be determined by the means of a sampling of the work.

### Tools

Mechanical agitator, trowel, notched trowel or similar, steel trowel for plastering.

### Substrate Preparation

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

### 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.

### Product preparation

- Pour off the water from Kalgraphin Premium pack and keep it to remix the content. Use the remaining contents of the Kalgraphin Premium.
- Mix the contents of Mortar Fine with the remaining contents of the Kalgraphin Premium depending on the desired consistency. Blend with a mixer low speed until completely combined.
- Mix MortarFine and Kalgraphin should be blended together first, If you find that the mixture is too viscous and can add the clear liquid that was initially poured out can be gradually added to adjust the viscosity of the mixture to suit the desired plastering job
- water from the Kalgraphin Premium pack never more than 1 liter. Mix with mechanical mixer until its total homogenization and adequate
- Then let the mixture rest for about 20-30 minutes.
- Blend the product 1 minutes more before applying.

### Application method

- Apply the coating product on the surface, ensuring that the thickness does not exceed 10 millimeters per day.
- It is not necessary to smooth the plastered surface. For each layer, except the final layer, to assist in creating adhesion for the topmost layer.
- In the case of a textured or naturally rocky surface, ensure that the surface allows for good adhesion.
- Scrape the surface in areas prone to peeling before applying the coating product to reduce the risk of cracking or peeling.
- When working on joints between two different materials, reinforce with mesh to enhance adhesion.

### Drying

The drying time for the surface before applying the next coat is approximately 1.5-2 hours at a thickness of 2 millimeters per layer. In conditions of 30°C and 60% relative humidity: 24-48 hours between layers of mortar. The carbonation process mainly occurs during the first 30 days.

### Tool cleaning

Clean tools after use with clear water.



### Technical Data

Test Method	Standard	Evaluation
Apparent Density		
- Fresh	EN 1015-6	$2005 \pm 100 \text{ kg/m}^3$
- Hardened	EN 1015-10	$1705 \pm 100 \text{ kg/m}^3$
Compressive strength	EN 1015-11	CS II
Adhesion	EN 1015-12	$\geq 0.5 \text{ N/mm}^2$
Capillary water absorption	EN 1015-18	W2
Coefficient of water vapor permeability	EN 1015-19	$\leq 15 \text{ m} \mu$
Fire resistance	EN 13501-1	A1
Thermal conductivity	EN 1745	0.72 W/m-K
Composition		Aerial lime in paste
Nature Color		Greyish white
Yield on level substrate*		$4 \text{ kg/m}^2$ for 2 mm
Recommend Thickness		2 - 5 mm
Maximum application thickness per day		10 mm./day

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

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything only the quality of the product itself. We reserve the right to change the given data without notice.

### Additional Information

- 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 water for hardening, it hardens by absorbing atmospheric CO<sub>2</sub>
- Do not apply to surfaces in constant contact with water.
- In case of rain, it is advisable to wait until the surface is dry before proceeding.
- 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 mask, and safety glasses.
- In the event of eye contact, rinse eyes with clean water several times immediately and seek medical advice promptly.
- Keep out of reach of children.



### Storage

- Keep in original pack.
- It should be kept in a dry place
- Avoid direct sun exposure.
- Unopened, it may be conserved for at least 36 months from the date of manufacture.
- After mixing keep the remaining mortar by water casting 1 inch high and seal in a bucket to avoid hardening. (check it every 3 months) and before use pour out the water if it is too thick, add water until the mixture is workable.

### Packing

Pack size : 1 set compose of 1 bag of MortarFine Premium and 2 buckets of Kalgraphin Premium.  
Plaster 18.9 kilograms/bag.  
Kalgraphin Premium 4.5 kilograms/bucket.

The information provided is given in good faith, based on current knowledge and Jorakay Corporation's experience with the products when they are properly stored, handled and applied in normal situations and in accordance with the recommendations of Jorakay Corporation. This 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. Jorakay Corporation reserves the right to modifications that improve the product or its application. This version invalidates previous ones.