

KEMA Fill 100

Thermal insulating mortar for indoor & outdoor used as one coat rendering mortar

Description:

- A chemically treated and developed ready-mixed mortar that contains natural materials, graded fillers selected with great care, and special high-quality additives to improve thermal insulation, work properties and adhesion to different surfaces.
- After drying, it gives a very hard layer that can reach a thickness of 5 cm per layer, with a rough surface that can be smoothed with Kemakxit 200 if necessary.

Fields of Use:

- Making a ready and quick mortar directly on concrete or bricks with different thicknesses of 2-5 cm.
- Render for facades that are thermal insulating.
- You can apply layers for an hour between each layer.

Advantages:

- It is characterized by its light weight, which is less than 42% than traditional plaster.
- Savings in cooling and heating energy due to its smaller thermal conductivity than traditional mortar.
- It is rich in binding materials, so it does not require a splatter dash coat.
- reduce wastes by a large percentage compared to traditional methods.
- It does not need to cure its surface with water as in traditional methods.
- It is easy to clean after use, especially in the case of floors that have been installed on the site.
- It is easy to load and store and maintains cleanliness at the work site.
- It is fast to prepare, just add the Keto Fill to the specified amount of clean water with good stirring until the appropriate consistency is reached.
- It is non-flammable, fire retardant and highly resistant to weather factors.
- It is safe to operate and does not emit any odor.
- It is environmentally friendly and healthy, and it is packed in recyclable bags.
- Save time and labor as it is implemented in one step.

Chemicals for Modern Building International

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Technical Data: (at 25 ° C)

Property	Value
Color	White
Density (powder)	0.7 ± 0.05 kg/l
Density (dry mortar) 28 days EN 1015-10	1.1 ± 0.05 kg/l
Mixing ratio (water: powder) by weight	11 – 12 liter water /25 kg. powder
Drying time	50 minute
Pot life	40–50minute (decreases at higher temperature)
Thermal Conductivity EN 1745	0.2 W/m ² c°
Rate of use (theoretical)	110 ± 5% m ² /ton/1 cm. thickness

Directions for Use:

- Treating and cleaning surfaces to be free from dust, oil, grease, cracks, and weak parts.
- The product is added by gradually spraying to the water standard and not the other way around, then left for two minutes until it is completely absorbed by the water.
- The mixture is stirred well until it is completely mixed and homogeneous and obtains the appropriate consistency for the nature of the surface. It is preferable to use mechanical stirring.
- Wash the tools immediately after use with water.

Notice:

- 1- Powder is not added to a mixture that has been mixed with water from a previous mixture.
- 2- The non-applicable setting time is 40-50 minutes (depending on the temperature).

Safety Precautions:

Due to the high alkalinity of cement, it is affect to people with sensitive skin so :

- Wear gloves, overalls and goggles during handling & application.
- In case of contact, rinse off thoroughly with water.
- If the material is splashed into the eyes, these should be immediately washed with water and then report to an eye specialist.
- Wash hands with soap and water after use.
- Do not eat or smoke during application.

Storage/Shelf life:

12 months under suitable storage conditions and in their closed containers.

Packages: bag (25 kg ± 2%) kg.

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DISCLAIMER: 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 can be used under conditions beyond our control, we can only guarantee the quality of the product itself. We also reserve the right to change the given data without notice minor product variations may be implemented in order to comply with local requirements.

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