

Refractory mortar

For the refractory brick mounting

Special cements, additives, siliceous arid and other.



Properties

- Mortar for mounting and rejoin.
- High temperatures resistant.
- Ideal for refractory bricks placement.
- High performances.

Observations

- In the first operating disposal, it is advisable to perform a slow warming.
- Gradually (8-10hours) increase until the recommended temperature.

Characteristics

- Rest time after the kneading: 2 min.
- Mass life time: ± 40 minutes
- Correction time: ± 20 minutes
- Setting start: 4-5 hours
- Start up: 4-5 days

** These times are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances

- Dust density: 1.6 g/cm³
- Kneading water: 12%
- Retraction: < 0.7 mm/m
- Adherence over concrete: $\geq 2,5$ MPa
- Adherence over ceramic: $\geq 0,8$ MPa
- Flexural strength: ≥ 10 N/mm²
- Compression: ≥ 90 N/mm²
- Elasticity module: 45000
- Thermal resistance maximum temperature: 1000 °C
- Salt or acid water resistance: without defects
- Behavior against fire: A1 Euroclass

** These results have been obtained with standard essays and they can oscillate depending on the workplace conditions.*

Enforcements

- Special mortar for refractory brick mounting and anchoring, massif concrete block, terracotta that are submitted to high temperatures. Barbeques, firewood ovens, chimneys...
- For the mounting and rejoin in brick work Work sin contact with aggressive or acid waters, alimentary industry, drain pipelines, sanitations and industrial wastes.
- Indoors and outdoors.

Recommendations

- Application temperatures from 5 -30°C.
- The water percentage can oscillate depending on the used mixer.
- Do not add any product to the mortar
- Do not apply the mortar with rain risk, frost or strong wind.
- Do not apply with direct insolation.

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Execution conditions

The support has to be healthy, clean and without greases, oils...

Clean the pieces to be used, in order to secure a good adherence.

With high temperatures or strong wind, moisten previously the support.

It is recommended to moisten the mortar in the following 24 hours to its application.

Usage way

Mix a sack (25 kg) with 3 – 4 clean water liters, until obtaining a homogeneous mass without lumps.

Apply the mortar with the adequate tool on regular and continuous thicknesses.

Before the setting start, smooth with a joint palette.



Packaging

25 kg sacks
1200 kg pallet (48 sacks)

Color

Dark grey
Others on demand

Consumption

15 – 20 kg/m² and cm thickness

Preservation

In original closed container, and sheltered
from outdoor and humidity: 1 year

⚠ IMPORTANT

The observations and prescriptions of this data sheet, although corresponding to our best experience, should be considered, in any case, purely indicative, and should be tested by exhaustive practical applications; therefore, before using the product, the user must establish whether or not it is suitable for the intended use, and assumes all liability that may arise from its use. Once the product has been handled or applied, the manufacturer shall not assume any claim whatsoever, nor any liability as to the manner, mode and conditions of application.