

# argamassa refractária



## TECHNICAL DATA SHEET

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# argamassa

## refractária

masonry mortars



- Resistant to high temperatures (1000°C) and thermal shock.

### use

Mortar for the assembly of refractory elements in open fires, chimneys, barbecues, bread ovens, pizza ovens, etc.

Ducting for smoke exhausts.

Assembly of brick constructions in contact with sulphate or acid waters used in the food and milk product industries, drain and sanitation networks and effluent channelling.

### surface

- Refractory elements.



### CE marking

G-M40  
European standards  
EN 998-2



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## recommendations

- Do not apply to refractory elements which are frozen, excessively hot or wet.
- Do not repeat mixing of product.
- During hardening keep the paste damp (sprinkle with water periodically)
- 2 weeks after the job has been concluded, the surface can be protected from stains and smoke penetration by applying Silitop B3.
- Use cold, clean water when preparing the paste.
- Wash all tools/utensils with water before product dries.
- This refractory mortar is not suitable for bonding refractory lining.

## composition and characteristics

### Composition:

Special cements, fillers with controlled granulometry and specific additives.

### Characteristics:

- Paste open time: 40-50 minutes.
- Element adjustment time: 15 minutes.
- Waiting time before 1<sup>st</sup> firing: 24 hours after assembly of refractory elements.
- Continuous layer thickness: 0.5 – 30 mm.
- Localized thickness: 5 cm.
- Temperature resistant to 1000°C.
- Resistant to salt or acidic water, pH >4
- Fire behaviour: MO (non-flammable product).
- Application Temperature - 10°C to + 35°C.
- Granulometry: 0 – 1 mm.
- Density of fresh paste: 2000 kg /m<sup>3</sup>
- Density of hardened product: 2000 kg /m<sup>3</sup>
- Flexural strength > 6 N/mm<sup>2</sup>
- compression strength (24 hours) >20N/mm<sup>2</sup>
- Compression strength (28 Days) >40N/mm<sup>2</sup>
- Permeability to water vapour: μ15/35
- Thermal Conductivity: (λ10,dry)= 1.17 W/m.K (P=50%)

Note: These results were obtained in laboratory tests in normal conditions (T = 20 ° C) according to EN 998-2, may vary with the conditions of application and type of support.

## colour

Dark grey

## consumption

As a guideline for the assembly of refractory bricks 15 -20 Kg/m<sup>2</sup>.

## available in

- Sacks of 25 Kg
- Pallets with 48 sacks.

## storage

1 year in a sealed sack stored in a damp-free environment.



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## preparation of surface

Surfaces and the elements to be assembled should be clean and free of grease, paint, dust and other substances which may hinder adherence.

Dampen hot or absorbent surfaces and wait for the water film to disappear.



## application

Mix approximately 4 litres of water to the Argamassa Refractária until a smooth, lump free paste is obtained



Apply in a regular and continuous thickness. Place elements, compressing and adjusting as required.



Smooth joints as the paste hardens using a suitable tool or a wet sponge.

