

D-8



Refractory adhesive and sealing mortar for fire bricks



■ PROPERTIES

Refractory cementitious adhesive mortar with quartz aggregates and special additives.

It presents exceptional workability, strong adhesion and exceptional resistance to moisture. Distinguished for its high strength and resilience at temperatures of up to 1.050°C, as well as its adhesive strength. It is resistant to temperature variations generated within fireplaces, without cracking. The mortar develops high strengths rapidly.

Classified as general purpose masonry mortar per EN 998-2.

■ APPLICATIONS

D-8 adhesive mortar is ideal for building and grouting fire bricks in fireplaces, ovens, barbeques, and chimneys etc.

It is suitable for repairing damaged joints, filling the openings on cracked fire bricks (common occurrence), and for reinstalling detached fire bricks.

■ USE

1. Surface preparation

The fire bricks have to be clean, and dust free. It is also mandatory for both the fire bricks and the substrate to be soaked with water before installing them or sealing any cracks.

2. Application

Empty 25kg of mortar into a clean container with 7.0-7.5lt of clean, cool water (1.4-1.5lt for 5kg). Mix with a low-rpm electric mixer until a lump free, homogeneous mass is created. The mixture remains workable for 3 hours. Using a gauging trowel, apply the mixture on the fire bricks. For easier installation



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use the 5-7mm plastic spacers of DUROSTICK, during installation.

Use the product to grout, within 20 minutes from the fire brick installation. Allow for 5-10 minutes to pass from the grouting completion, and clean with a damp sponge.

Any test for proper operation of the fireplace, must be performed after 24 hours from completion of the work. The same applies for any checks on repairs done to the refractory lining. Allow for 5 days to pass from the completion of the work and the test, before lighting the fireplace or the stove.

Note: The temperature in the fireplace, when burning olive wood, does not exceed 600°C.

■ CLEANING

Clean all tools with water, immediately after use.

■ CONSUMPTION

Depending on the dimensions of the firebricks and the width of the joints. Indicatively, for fire bricks with dimensions 20x10x3cm and joint width of 1cm, the consumption ranges around 5kg/m².

■ STORAGE

• **25kg Paper bag with valve:** 12 months from production date

• **5kg Plastic bag:** 18 months from production date
Store in the factory sealed packages, in dry and shaded places.

■ SAFETY DIRECTIONS

The product contains refractory cement. Before use, refer to the cautions on the product packaging or the Safety Data Sheet.

■ PACKAGING

Carton box with 4 bags of 5kg each one on 720kg pallet

Paper bag of 25kg on 1.500kg pallet

TECHNICAL SPECIFICATIONS

(Measurement conditions 20°C and 65% R.H.)

■ Form - Color	Cementitious mortar - Gray
■ Bulk density of dry mortar	1.40±0.05kg/l
■ Bulk density of fresh mortar	2.00±0.05kg/l
■ Maximum grain size	0.6mm
■ Water requirement	7.0lt water for 25kg mortar
■ Application temperature	From +5°C to +35°C
■ Temperature resistance	From -30°C to +1.050°C
■ Shrinkage per ASTM C596	Negligible
■ Pot life	Up to 3 hours
■ Resistance to frost	Excellent

PRODUCT PERFORMANCES

■ Strength after 28 days, per EN 1015-11, to:

• flexion	6.70±1.00 N/mm ²
• compression	30.00±1.50 N/mm ²

■ Strength after 28 days, per EN 1015-12, to:

• adhesion	0.70 N/mm ²
■ Capillary water absorption (c), per EN 1015-18	≤ 0.35kg/m ² ·min ^{0.5}
■ Reaction to fire	Class A1

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