

DUROSTICK 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 for its adhesive strength. It is resistant to temperature variations generated within fireplaces, without cracking. The mortar develops high strengths quickly.

APPLICATIONS

D-8 adhesive mortar is ideal for building and grouting fire bricks in fireplaces, ovens, barbecues, and chimneys etc. It is suitable for the repair of 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 that the fire bricks and the substrate are both soaked with water before installing them or sealing any cracks.

2. Application

Empty 25kg of D-8 mortar in a clean container with 7.0-7.5lt of clean, cool water (1.4-1.5lt for 5kg). Stir with a low-rpm drill 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 use the 5-7mm plastic spacers of DUROSTICK, during installation. Use the product to also 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

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completion of the work and the test, before lighting up the fireplace or the stove.

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

CLEANING

Clean all tools with water, immediately after use.

CONSUMPTION

Indicatively, for fire bricks with dimensions 20x10x3cm and joint width of 1cm, use 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 Material Safety Data Sheet.

NOTE

After hardening, the product is harmless to health and the environment.

PACKAGING

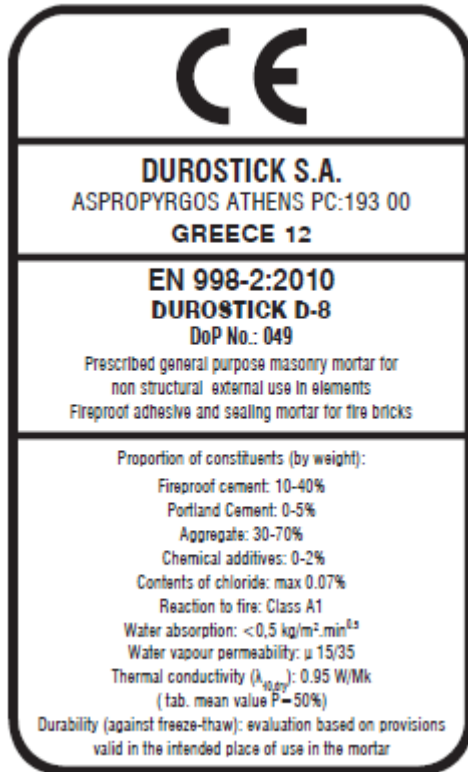
- Carton box with 4 bags of 5kg each one
- Paper bag of 25kg on 1,500kg pallet

| TECHNICAL SPECIFICATIONS (Measurement conditions 20°C and 65% R.H.) | |
|---|--------------------------------|
| Form - Color | Cementitious mortar - Gray |
| Toxic | No |
| Bulk density of dry mortar | 1.40±0.05kg/lt |
| Bulk density of fresh mortar | 2.00±0.05kg/lt |
| Maximum grain size | 0.6mm |
| Water requirement | 7.0lt in 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: | |
| • Adhesive | 0.70 N/mm ² |
| Capillary water absorption (c), per EN 1015-18 | ≤ 0.35kg/m ² min0.5 |
| Reaction to fire, per EN 13501-1 | Euroclass A1 |

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DUROSTICK S.A.

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