

## PYRO PRO

### REFRACTORY ADHESIVE MORTAR

*Refractory mortar for building of firebricks and repairing joints.*

**Description :** Special mortar based on fire-proof cement, aggregates of special granulometry and special additives for building and proper joint-filling of firebricks. Extremely resistant to high temperatures developed in fireplaces, kilns and chimneys.

**Usages :** Use for building and joint-filling of firebricks in new fireplaces - kilns - chimneys - barbecues indoors and outdoors, as well as to restore any worn parts.



**Advantages:**

- High adhesion.
- Very resistant to high temperatures.
- No cracking.
- Resistant to temperature variations.
- Easy - simply add water.

**Packaging /distribution :**

- Plastic bags of 7 kg.
- Palette of 1008 kg, 36 boxes of 28 kg.


**Storage:** 12 months from the date of production in unopened package, in a dry place

**Safety precautions :** This product contains cement and reacts as alkaline with moisture, so it is classified as irritant. It must be used with care according to the instructions for use. In order to avoid any injuries due to alkalis of the cement, wear gloves, protective glasses and avoid breathing the dust. Please consult the SDS of the product.

**Specifications :** EN 998-2

**TECHNICAL DATA:**

<b>Colour:</b>	Grey
<b>Specific gravity of wet mortar:</b>	1800 Kg/m <sup>3</sup>
<b>Resistance to heat:</b>	Up to 1000 °C
<b>Compressive strength in 28 days:</b>	>15 MPa (Class M15) (EN 1015-11)
<b>Flexural strength in 28 days:</b>	>1.2 MPa (EN 1015-11)

 12 DoP: 037 MARMO-CPR
NORDIA S.A. 364 Kifissias Av., 15233 Chalandri, Athens/ Greece
EN 998-2:2016 PYRO PRO Masonry mortar
Proportion of constituents: <i>Cement 28%, Aggregates 71,3%</i> Contents of chloride: <i>0.02 % Cl</i> Reaction to fire: <i>Class A1</i> Water absorption: <i>0.22 kg/(m<sup>2</sup>· min<sup>0.5</sup>)</i> Water vapour permeability: <i>μ =15/35</i> Thermal conductivity/density: <i>(λ<sub>10,dry</sub>)= 0.83 W/mK (tab. mean value; P= 50%)</i> Durability (against freeze/thaw, in the intended place of use): <i>Evaluated as excellent, after laboratory and field tests</i>

**APPLICATION:**

<b>Mixing ratio:</b>	1.4 lt per bag of 7kg
<b>Consumption:</b>	Depending on the dimensions of firebricks and joints. For bricks with dimensions 20x10x3 cm and joint width 1 cm, you need about 5 kg / m <sup>2</sup>

**Application mode:**

- Make sure that the firebricks and the adhesion surface are clean, free of dust, oils and loose material.
- Saturate before applying the fresh mortar.
- Mix 7 kg of mortar with 1.4 lt of water until a lump-free mixture of the desired workability is obtained.
- Workability of the mixture is preserved for 1 - 2 hours, depending on the ambient temperature.
- Apply with a trowel and spatula. You may use plastic guides for the joints.
- Clean the joints with a damp sponge before the material dries.

**ATTENTION:**

- Protect the content of the bag from humidity.
- Do not add excessive quantities of water as the product is more likely to have reduced strength
- Not recommended for use in extreme weather conditions (frost or heatwave).  
Application temperature +5°C to +35°C

The above application guidelines are indicative, for the correct use of the product. For more technical details please contact the company's technical department.

*We guarantee the quality of all our products, on the basis of their technical specifications, as described in the Declaration of Performance (CE) and this technical data sheet. Such guarantee refers only to the products that we deliver for use and never to its application or final result, which largely depend on the experience and quality of work of each user and on the application conditions. The user is advised to test the product on a small scale, and if he is satisfied with the result, then to use the product on large scale in his project. This edition of technical data sheet automatically cancels any previous version*