

PRB MORTIER RÉFRACTAIRE

READY-TO-USE REFRACTORY MORTAR



The of PRB MORTIER RÉFRACTAIRE

- Laying and jointing refractory bricks
- Ideal for chimneys, barbecues etc.
- Laying chimney blocks and tile fireplace surrounds
- Fire and heat resistant up to 900°C



PACKAGING

- Paper bag containing 25 kg.

STORAGE LIFE: 12 months.

CONSUMPTION/USE

- For a 5 x 11 x 22 brick.
25 to 30 kg/m².
50 to 70 bricks for a bag of 25 kg.

The above amounts are given as a guide. They depend on the material to be laid and the application method. They also depend on whether or not the vertical joints are filled.



APPLICATIONS

USES

- PRB MORTIER RÉFRACTAIRE can be used indoors or outdoors.
- NF 10-202 and DTU 20.1 Masonry structures with small components.
- NFP 51-201 and DTU 24.1 Refractory works.

SUITABLE SUBSTRATES

- Brickwork NFP 13-301 XP 13-305.
- For other substrates or uses, please contact us.

UNSUITABLE SUBSTRATES

- All gypsum-based products (plaster).
- Paint, waterproof paint.
- Wood.

APPLICATION CONDITIONS

- Between 5°C and 35°C.
- Do not apply to frozen, thawing, hot or wet substrates, or in full sunlight, heavy rain or high winds.

TECHNICAL CHARACTERISTICS

COMPOSITION

- Binders (aluminous cement).
- Siliceous sands.
- Specific additives.

PRODUCTS

POWDER:

- Max. grain size: 3.15 mm.
- Bulk density: 1.6 ± 0.1.
- Quantity of water: 13 to 15%

PASTE:

- Bulk density: 2.1 ± 0.1.
- pH (alkaline): 12.5 ± 0.5.
- Application duration: 30 min.
- Adjustability time: 10 to 20 min.
- Joint thickness: 7 to 10 mm.
- Max. thickness of continuous joint: 20 mm.

PERFORMANCE OF THE RENDER ONCE CURED:

- Density: 2.1 ± 0.1.
- Temperature resistance: 900°C.

Mechanical characteristics at 20°C and 50% residual moisture:

- Compressive strength: ≥ 30 MPa.
- Flexural strength: ≥ 5 MPa.

NB: These values are estimates derived from laboratory or on-site testing. The conditions of use, the type of material used and its level of wear and tear can significantly alter them.

UTILISATION

PREPARING THE SURFACE

- The materials and other joint and substrate components must be in good condition, clean and free from any residues or other impediments to good adhesion.
- The sides of the bricks to be layered with the product must be dusted before use.
- Soak the bricks in a container of water (to prevent the mortar from being absorbed too quickly) and allow them to dry on their edges.

PREPARING THE MORTAR

- To obtain a smooth mixture, it is better to mix on a low speed using a mixer or drill.
- The water dosage is between 3.25 and 3.75 L and should be adjusted according to the weather conditions and the consistency of the mortar required for the correct laying of the materials without crushing the joint.
- Do not add powder or water during use.

APPLICATION

- Apply with a trowel, spreading the refractory mortar over the material or substrate. (Joint thickness: 7 to 10mm).
- Then place the brick and adjust the angle using a ruler and mallet.
- Fill the vertical joint with the refractory mortar.
- Clean off any excess mortar from the bricks as you go along.

- Jointing should be carried out around 15 min after it has begun to set, carefully cleaning the bricks as you go along.
- It will be ready for use 48 hours later, although extremely hot fires should be avoided.

USER PRECAUTIONS

- Contains cement and/or lime.
- Refer to the packaging safety label and safety data sheet before use.