

PRB MORTIER PAYSAGER

MICRO MORTAR FOR DECORATIVE STRUCTURES



The +s of PRB MORTIER PAYSAGER

- + For creating decorative structural elements such as fake rocks, walls, modelling and sculptures of various shapes and sizes.
- + Restore and repair hard natural stone
- + Can be applied in thicknesses of up to 15 cm

PACKAGING

- Paper bag containing 25kg.

STORAGE LIFE: 12 months.

CONSUMPTION/USE

Consumption varies depending on:

- The relief to be achieved and the thickness applied.
- Approximately 17 kg/m²/cm of thickness.

COLOUR: Grey (for other colours, please contact PRB).



EN 998-1 Type CR
CS category IV



APPLICATIONS

USES

- Large-scale decorations by reconstituting sculptures, reliefs and various shapes on a framework with three-dimensional metallic mesh.
- Can be applied to thick walls, up to 15 cm, in several layers.
- Create false stone modelling for corners, lintels, openings...
- Restore and repair medium-grained stones (semi-firm to hard).
- French DTU Standards 26.1, 20.1, 23.1 & 22.1.

SUITABLE SUBSTRATES

- Three-dimensional metallic expanded metal mesh such as Nergalto, Stucanet or metallic frames with mesh sizes from 9 x 9 mm to 30 x 30 mm fixed on frames or masonry such as:
 - Cast-in-place concrete (French DTU 23.1).
 - Masonry elements (French DTU 20.1).
 - Stonework.
- For other substrates and specific applications, please contact our technical department.

UNSUITABLE SUBSTRATES

- All gypsum-based substrates (plaster).
- Paint & thick paint coatings
- Bare wood.

APPLICATION CONDITIONS

- Between 5°C and 35°C.
- If the temperature exceeds 30°C, special protective measures must be taken.
- Do not apply to frozen, thawing, hot or damp surfaces. Do not apply to surfaces in full sunlight or during heavy rain and strong winds.
- Do not use strong colours (dark range) at temperatures below 8°C and with high humidity (increased risk of efflorescence and/or carbonation).

TECHNICAL CHARACTERISTICS

INGREDIENTS

- Binders (Portland cement, natural hydraulic lime, high calcium lime).
- Fillers, quartz sands and aggregates.
- Rheological agents and setting regulators.
- Water-repellent agents & light-stable mineral pigments.

PRODUCTS

POWDER:

- Max. grain size:
- Sculpting mortar: 2 mm
- Fine sculpting mortar: 0.8 mm

PASTE:

- Water retention: 86 to 94%
- pH (alkaline): 12.5 ± 0.5

PERFORMANCE WHEN HARDENED:

- Density: 1.2 to 1.6 t/m³
- Modulus of elasticity: 3,500 to 9,000 MPa

- Flexural strength: 2 to 3.5 MPa
- Reaction to fire (non-combustible): A1 (M0)
- Compressive strength: ≥ 6 N/mm²
- Water absorption W2: Capillarity ≤ 0.20 kg/m².min^{0.5}

APPLICATION

- Quantity of water needed: 22 to 25%
- Mixing time: 3 to 7 mins
- Mixture handling time: 60 mins max.
- Setting time - before contact with water: 4 to 6 hrs
- Setting time - structuring: 0 to 48 hrs

- Setting time - between layers: 1 to 72 hrs
- Thickness of the first layer: 2 to 3 cm
- Maximum working thickness: 15cm

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

UTILISATION

PREPARING THE SURFACE

- A roughcast layer with additives must be applied the day before applying the product (PRB ACCROFIX powder or PRB MORTIER PAYSAGER mixed with 0.5 to 1 litre of fixative resin per 25 kg bag).
- Moisten the substrate before applying the roughcast layer.

New

- The surface must be clean, dust-free and stable and covered with a wire mesh for thicknesses equal to or greater than 20 mm.

Old

- Remove non-adherent or mechanically weak coatings in order to obtain a resistant and adherent surface.
- Repair any infiltrating cracks.

- In case of any discontinuities in the masonry (different materials), the affected area should be bridged with metal reinforcements.

PREPARING THE MORTAR

Mortar pumps/sprayers & concrete mixers (batch mixers).

- For every 25kg bag, mix PRB MORTIER PAYSAGER with 5.5 to 6.25 l of clean water for 5 mins.
- The water ratio and mixing time should be kept as consistent as possible to ensure a uniform application and a smooth, optimum finish.

PUMP/SPRAYER SETTINGS

Grouting pump

- Set the water pressure to: 8 to 12 bars
- Paste operating pressure: 8 to 24 bars
- Sprayer flow rate: 14 to 18 L/min
- Spray nozzles (min. Ø): 12 mm

Manual

- The render can be applied in small strokes with a mortar trowel, overlapping slightly.

APPLICATION AND TYPES OF FINISH

Please refer to the specifications.

- Large-scale decorative work
- Straightening walls
- Mouldings
- Repairing stonework

PRECAUTIONS FOR USE

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