

PRB TRADITIONNEL 160

TRADITIONAL RENDER UNDERCOAT



The **+**s of PRB TRADITIONNEL 160

- +** Render base coat for Rt3 (high peel resistance) exterior walls and interior walls exterior walls and interior walls
- +** Suitable for ceramic coatings, paints and TPC and hydraulic renders



EN 998-1 Type: GP
CS category IV



PACKAGING

– Paper bag containing 25kg.

STORAGE LIFE: 18 months.

CONSUMPTION/USE

Consumption varies according to the substrate (nature, flatness, roughness).

NB: the minimum finished thickness required to guarantee waterproofing is 10mm at all points.

– **Minimum thickness of 10mm: 18 kg/m²**

NB: For decorative rendering, the minimum finished thickness required is 5mm at all points.

– **Minimum thickness of 5mm: 9 kg/m²**

COLOUR: Cement grey.



AREA OF USE

USES

- Exterior and interior walls on all types of residential, commercial or industrial buildings.
- Interior walls of houses or buildings
- Sound and sturdy old buildings (please contact us before use).
- French DTU Standards 20.1 & 23.1 26.1 (P1-1, P1-2 and P2), and 52.2.

SUITABLE SUBSTRATES

(see Selection Guide)

- Cast-in-place concretes (DTU 23.1).
- Breeze block masonry (DTU 20.1) with standard or narrow joints.
- Cement undercoats and mixes (DTU 26.1).
- Old masonry and other substrates (please contact us beforehand).

PROHIBITED SUBSTRATES

- All gypsum-based substrates (plaster).
- Paint & thick paint coatings.
- Bare wood.
- Horizontal or sloping surfaces (except arches and soffits).

COMPATIBLE COATINGS

- All unsaponifiable interior and exterior paints.
- Thick paint coatings applied in accordance with the French DTU Standard 59.1.
- Semi-thick coatings.
- Decorative and ornamental paints - type D2, D3...
- I1 to I4 waterproofing paint.
- Single coat and topcoat hydraulic renders.

- Ceramic coverings bonded with adhesive mortar or adhesives in accordance with the French DTU 52.2 (please contact us before use).

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.
- Special conditions: see **"Substrate Preparation"**.

TECHNICAL CHARACTERISTICS

INGREDIENTS

- Mixing binders (grey cement and hydraulic lime with mineral fillers).
- Quartz sand.
- Air-entraining agent, resin & water-repellent agents.

PRODUCTS

POWDER:

- Max. grain size: 3.15 mm

PASTE:

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

PERFORMANCE

WHEN HARDENED:

- Density: 1.8 ± 0.2 t/m³
- Modulus of elasticity: 7,500 to 14,000 MPa

- Flexural strength: 2 to 3.5 MPa

PERFORMANCE ACCORDING TO EN 998-1 - GP GENERAL PURPOSE RENDERING MORTAR (CS CATEGORY IV:

- Compressive strength: CS IV (≥ 6 N/mm²)
- Water vapour permeability: μ < 35
- Thermal conductivity (λ, 10, dry): 0.76 W/mK (established value)

- Adhesion/Rupture: ≥ 0.2 N/mm² - A, B or C

- Water absorption (Wc1): Capillarity ≤ 0.40 kg/m².min^{0.5}
- Reaction to fire (non-combustible): A1 (M0)
- Durability: NPD

APPLICATION

- Mixing ratio: 14 to 16%
- Mixing time: 3 to 7 mins
- Mixture handling time: 60 mins max.
- Setting time - before contact with water: 4 to 6 hrs
- Setting time - between layers: 7 days

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

SUBSTRATE PREPARATION

- Substrates must be clean, dust-free, stable, and any large chips, cracks or dents must be filled in beforehand.
- In hot weather and/or dry or gusty winds, the substrate should be wetted the day before application and again prior to application if necessary to prevent the render from drying out.
- See **"Substrate Preparation"**.

MORTAR PREPARATION

Mortar pumps/sprayers -

Concrete mixers (batch mixers)

- For every 25kg bag, mix PRB TRADITIONNEL 160 with 3.5 to 4 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.

PUMP/SPRAYER SETTINGS

Mortar pump

- Set the water pressure to: 12 to 14 bars
- Paste operating pressure: 16 to 24 bars
- Output flow rate: 14 to 18 L/min
- Spray nozzles (min. Ø): 12 mm

Spray guns

- Air pressure: 6 to 8 bars

Manual application

- Once the product is mixed to a very plastic consistency, it can be applied with a mortar trowel, overlapping slightly.
- Level the base coat by smoothing the render with a straight edge.

APPLICATION AND TYPES OF FINISHES

- Finish with a straight edge or scraper in preparation for a cement/lime coating.
- Float finish: two coats.
- Apply in accordance with the **"Types of Finishes"** section.
- See the **"Selection Guide"** for all possible finishes.

PRECAUTIONS FOR USE

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