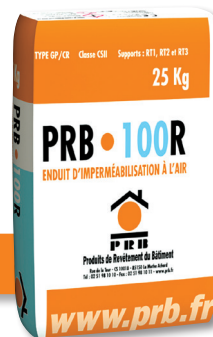



PRB 100 R

LIGHTWEIGHT AIRTIGHT SEALING RENDER



The s of PRB 100 R

-  Ensures perfect airtightness
-  Lime-based render



EN 998-1 Type GP/CR
CS category II



PACKAGING

– Paper bag containing 25 kg.

STORAGE LIFE: 18 months.

CONSUMPTION/USE

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

Minimum thickness of 5 mm: 7 to 10 kg/m²

COLOUR: Ton Pierre.



AREA OF USE

USES

- PRB 100 R is applied by mechanical spraying to interior perimeter walls prior to installing bonded insulation liners or insulation liners on wall studs.
- French DTU Standards 20.1, 23.1 & 26.1.

SUITABLE SUBSTRATES

(RT1 low peel resistance - RT2 medium peel resistance - RT3 high peel resistance)

- Cast-in-place concretes (DTU 23.1).
- Breeze block or brickwork (DTU 20.1) with standard or narrow joints.
- Aerated concrete masonry elements.

APPLICATION CONDITIONS

- Between 5°C and 35°C.
- If the temperature exceeds 30°C, special protective measures must be taken.
- Protect window/door frames and glazing before applying the render.

TECHNICAL CHARACTERISTICS

INGREDIENTS

- Binders (natural hydraulic lime & white high calcium lime-cement).
- Fillers, quartz sands and aggregates.
- Water-retention agents & setting agents.

PRODUCTS

PASTE:

- Water retention: > 94%
- pH (alkaline): 12.5 ± 0.5
- Colour: Stone.

PERFORMANCE OF THE RENDER

WHEN HARDENED:

- Density: <1.5 t/m³
- Modulus of elasticity: <5000 MPa
- Compressive strength: CS II (1.5 to 5 N/mm²)
- Capillarity index (g/dm²·√t): W1
- Reaction to fire (non-combustible): A1 (M0)
- VOC emissions: A+

APPLICATION

- Mixing ratio (amount of water needed): 18 to 20%
- Mixing time: 3 to 5 mins
- Water pressure setting: 10 to 14 bars
- Paste operating pressure: 18 to 24 bars
- Nozzle diameter: 8 to 10 mm
- Mixture handling time: 60 mins max.
- Drying time: 4 to 8 hrs
- Application thickness: 5 to 7 mm
- Minimum waiting time before covering with an insulation liner: 48 to 72 hrs

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 beforehand with PRB 100 R mixed to a firm consistency.
- The wall-ceiling joints** joined using fibreglass or textile mesh strips embedded in PRB 100 R or with a cement-based adhesive (PRB•COL PRO OR PRB•COL FLEX)
The strip should overlap the ceiling by no more than 5 to 7 cm.
- The joints between the masonry** and the door and window frames should be sealed with a bead of render around the edges, which should be pressed down firmly with a trowel to ensure that the render is fully in contact with the door/window frame and the sill/surrounding masonry.

- Absorbent substrates should be moistened beforehand with a sprayer.

MORTAR PREPARATION

Mortar pumps/sprayers -

Concrete mixers (batch mixers)

- Mix PRB 100 R with 4.5 to 5 litres of clean water per 25 kg bag for 3 to 5 mins. The water ratio and mixing time should be kept as constant as possible to ensure an even application.
- Plaster sprayers (continuous mixers): adjust the flow meter beforehand to ensure that the render is of the correct consistency. When using this type of mixer, we recommend using a pump that is suitable for mortar, or a mortar box at the end of the auger, to ensure a perfect mix.

Even out the render with a straight edge and then smooth with a drywall filling knife.

APPLICATION AND TYPES OF FINISH

- After preparing the substrate and treating specific areas (see above), spray PRB 100 R onto the substrate to a thickness of 5 to 7 mm.
- The render should be levelled as soon as possible using a straight edge or drywall filling knife.
- Corners are also smoothed using a float or corner trowel.

COVERING

- Depending on the ambient conditions, allow 48 to 72 hours before covering with an insulation liner bonded with a gypsum or cement-based adhesive.

PRECAUTIONS FOR USE

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

