

PRB SE ALLÉGÉ

LIGHTWEIGHT, FIBRE-REINFORCED UNDERCOAT (NEW & RENOVATION)



The +s of PRB SE ALLÉGÉ

- + Waterproofing for Rt1, Rt2 and Rt3 exterior walls and interior walls
- + Compatible surfacing materials: OC1, OC2 and CR CSIII hydraulic renders, paints and thick paint coatings
- + Low consumption thanks to light-weight fillers
- + Reduces the stresses between the substrate and the finish
- + Can be applied in thick layers with minimal shrinkage



EN 998-1 Type LW
CS category II



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:** 10.7 kg/m²

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

- **Minimum thickness of 5mm:** 5.4 kg/m²

COLOUR: Grey.



APPLICATIONS

USES

- Exterior and interior walls on all types of buildings for residential, tertiary or industrial use.
- Sound, sturdy old builds (please contact us before use).
- Can be used as a single-layer undercoat.
- French DTU Standards 26.1 - P1-1, P1-2 and P2.
- French DTU Standards 20.1 & 23.1.

SUITABLE SUBSTRATES

(see Selection Guide)

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

- Cement undercoats and mixes (DTU 26.1).
- Aerated concrete block masonry with a density of ≥ 350 kg/m³ in accordance with the NF EN 772-13 standard.
- Old masonry and other substrates (please contact us beforehand).

UNSUITABLE SUBSTRATES

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

COMPATIBLE SURFACING MATERIALS

- All unsaponifiable interior and exterior paints.
- Thick plastic coatings: French DTU 59.1 and NF EN 1062 standard.
- Thick mineral coatings: French DTU 59.1 and NF EN 1062 standard.
- Semi-thick coatings (NF EN 1062-1)
- Decorative and ornamental paints (acrylic or mineral) - type D2, D3...
- Waterproofing paints: A2(I1) to A5(I4).
- OC1, OC2 and CR CSIII. single-layer or decorative hydraulic renders.

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 "Preparing the surface".

TECHNICAL CHARACTERISTICS

INGREDIENTS

- Binders (cement and lime).
- Fillers, sands and aggregates.
- Water-retention agents, setting agents & microfibrils.
- Light-weight fillers.

PRODUCTS

- Colour: Grey.

POWDER:

- Max. grain size: ≤ 1.4 mm
- Density: 1

PASTE:

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

PERFORMANCE WHEN HARDENED:

- Density: ≤ 1.3
- Modulus of elasticity: $< 5,000$ MPa
- Flexural strength: 1.3 to 1.7 MPa

PERFORMANCE ACCORDING TO EN 998-1 - LIGHT-WEIGHT (LW) MORTAR:

- Compressive strength: CS II (1.5 to 5 N/mm²)
- Water vapour permeability: $\mu < 15$
- Thermal conductivity (λ , 10, dry): 0.30 W/mK (established value)
- Durability/adhesion after freezing/Rupture: ≥ 0.2 N/mm² A, B or C.

- Water absorption (Wc2): Capillarity ≤ 0.20 kg/m².min^{0.5}
- Reaction to fire (non-combustible): A1 (MO)

APPLICATION

- Quantity of water needed: 24 to 26%
- 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: 1 to 48 hrs
- Maximum thickness per layer: 20 mm
- Maximum working thickness: 30 mm

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

- Surfaces must be clean, dust-free, stable, and any large chips, cracks or dents must be filled in beforehand.
- In hot weather 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 drying out.
- Refer to "Preparing the surface", as well as to "Applying single-layer plaster according to the condition of the surface".

PREPARING THE MORTAR

Mortar pumps / sprayers - (continuous and batch mixers)

- For every 25kg bag, mix PRB SE ALLÉGÉ with 6 to 6.5 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

Grouting pump

- Set the water pressure to: 10 to 14 bars
- Paste operating pressure: 6 to 24 bars
- Sprayer flow rate: 14 to 18 L/min
- Spray nozzles (min. Ø): 12 mm

Spray guns

- Air pressure: 6 to 8 bars

Manual

- Can be applied in small strokes with a plastic mortar trowel, overlapping slightly.
- Level the base layer by smoothing the render with a straight edge.

APPLICATION AND TYPES OF FINISH

- Rough finish or scraped to obtain a decorative cement/lime coating or float-finish in 2 layers for applying paint, waterproof paint, thick paint coatings, semi-thick coatings, etc.

PRECAUTIONS FOR USE

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