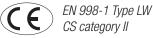
FACADES

PRB SE ALLÉGÉ

LIGHTWEIGHT, FIBRE-REINFORCED UNDERCOAT (NEW & RENOVATION)

– **The </u> 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
- **G** Can be applied in thick layers with minimal shrinkage





A+

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.

TECHNICAL CHARACTERISTICS

INGREDIENTS

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

PRODUCTS

Colour: Grey.

- POWDER:
- Max. grain size: ≤ 1.4 mm
 Density: 1
- Densi PASTE:
- Water retention: 86 to 94%
- pH (alkaline): 12.5 ± 0.5

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".

- 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.

PERFORMANCE WHEN

· Compressive strength:

CS II (1.5 to 5 N/mm²)

≥0.2 N/mm² A, B or C.

HARDENED:

• Density: ≤ 1.3

 Horizontal or sloping surfaces (except arches and soffits).

• Modulus of elasticity: <5,000 MPa

EN 998-1 - LIGHT-WEIGHT (LW) MORTAR:

• Durability/adhesion after freezing/Rupture:

· Flexural strength: 1.3 to 1.7 MPa

• Water vapour permeability: $\mu < 15$

• Thermal conductivity (λ 10, dry):

0.30 W/mK (established value)

PERFORMANCE ACCORDING TO

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.

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).
- Waterproofing paints: A2(1) to A3(14).
 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".

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

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

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.



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