PRB OZÉ

LIGHT, FINE-GRAIN SINGLE-LAYER RENDER

The + s of PRB OZÉ

- Setting time adapted to winter conditions
- Waterproofing and decoration for type Rt2, Rt3 exterior walls and interior walls
- All types of finish (scraped, fine scraped, rustic, roughcast, floated, circular float-finish...)
- Suitable for use on underground walls

CE *EN 998-1 Type OC2*
CS category III Wc2

UKCA · BBA APPROVAL INSPECTION TESTING CERTIFICATION CERTIFICATE 22/6327 · PRB Sun+ · ÉMISSIONS DANS L'AIR INTÉRIEUR A+

PACKAGING
– Paper bag containing 25kg.

STORAGE LIFE: 18 months.

CONSUMPTION/USE
The consumption varies depending on the surface (type, flatness, roughness, etc.).
The thickness at all protruding points of the facades must be at least 10 mm, in order to ensure proper waterproofing on Rt2 and Rt3 substrates.
– Minimum thickness of 10 mm: 16 kg/m².
Concrete substrates and undercoats:
For decorative plastering, the thickness must be 5 mm at all points.
– Minimum finished thickness of 5 mm: 8 kg/m²
– Maximum finished thickness of 15 mm: 20 to 24 kg/m²

COLOUR: Shades from the PRB and Sun+ colour charts.

APPLICATIONS

USES
- Exterior and interior walls on all types of buildings for residential, tertiary or industrial use.
- Minimum 8 mm grouting joints for brick, stone, ceramic coatings on facades.
- Renovating existing masonry (please contact us beforehand).
- Reference documents: French DTU Standards 20.1, 23.1 & 26.1.

SUITABLE SUBSTRATES: Rt2 & Rt3
- Cast-in-place concrete (French DTU 23.1).
- Breeze block masonry or brickwork (DTU 20.1).
- Cement undercoats and mixes (DTU 26.1).
- For other substrates, please contact us beforehand.

UNSUITABLE SUBSTRATES
- All gypsum-based substrates (plaster).
- Paint & thick paint coatings.
- Bare wood.
- Unprotected horizontal or sloping surfaces: (floors, etc.).

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 or carbonation).
- Special conditions: see "Preparing the surface".

TECHNICAL CHARACTERISTICS

INGREDIENTS
- Binders (lime & cement-based).
- Fillers, quartz sands and aggregates.
- Water-retention agents & setting agents.
- Water-repellent agents & light-stable mineral pigments.

PRODUCTS
POWDER:
- Max. grain size: 2 mm

PASTE:
- Water retention: 91 to 97%
- pH (alkaline): 12.5 ± 0.5

PERFORMANCE WHEN HARDENED:
- Density: 1.4 to 1.8 t/m^3
- Modulus of elasticity: 5,000 to 10,000 MPa
- Flexural strength: 1.5 to 2.7 MPa
- Reaction to fire (non-combustible): A1 (M0)

PERFORMANCE ACCORDING TO EN 998-1 - SINGLE-LAYER MORTAR:
- Compressive strength: CS III (3.5 to 7.5 N/mm^2)
- Water permeability after freezing: <1 cm^3/cm^2
- Water vapour permeability: μ <35
- Thermal conductivity (λ 10, dry): 0.76 W/mK (established value)
- Durability/adhesion after freezing/Rupture: > 0.2 N/mm^2 A, B or C
- Water absorption (Wc2): Capillarity <0.20 kg/m^2.min$^{0.5}$
- Reaction to fire (non-combustible): A1 (M0)

APPLICATION
- Quantity of water needed: 16 to 18%
- Mixing time: 3 to 7 mins
- Mixture handling time: 60 mins max.
- Setting time - before contact with water: 4 to 6 hrs
- Setting time - before scraping: 4 to 24 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.

PREPARING THE MORTAR
Mortar pumps/sprayers - Concrete mixers (batch mixers)
- Add **PRB OZÉ** to 4 to 4.5 litres of clean water per 25 kg bag and mix for 5 minutes.
- The water dosage and mixing time should be as consistent as possible to ensure regular colour throughout.
- Similarly, if using batches from different dates, these should be mixed proportionally to avoid irregular colouring.

PUMP/SPRAYER SETTINGS
Grouting pump
- Set the water pressure to: 12 to 14 bars
- Paste operating pressure: 18 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
- Finish: Scraped, rustic, rustic roughcast, float-finish or circular float-finish.
- Apply in accordance with the "Types of Finishes" section.
- For the different types of finish possible, see the "Selection guide".

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