



PRB OZÉ

SEMI-LIGHTWEIGHT, FINE-GRAIN SINGLE COAT RENDER SNOW COLOUR (VERY PURE WHITE)



The PRB OZÉ

-  **Waterproofing and decoration of outside walls of the Rt2, Rt3 type and internal walls**
-  **All types of finish (fine scratched, fine, rustic, flattened, floated, rubbed...)**



EN 998-1 Type OC2
CS III W2 class



PACKAGING

- 25 kg paper bag.
- 1.6 t pallet, i.e. 64 25 kg bags.

STORAGE: 18 months.

CONSUMPTION

Consumption varies according to the substrate (type, flatness, roughness). The minimum thickness at all protruding points on facades must be 10 mm to guarantee the waterproofing function on RT2 and RT3 substrates.

- Minimum thickness of 10 mm: 16 kg/m².

Concrete substrate and sub render:

For a decorative render the thickness must be 5 mm at all points.

- Minimum finished thickness of 5 mm: 8 kg/m²

- Maximum finished thickness of 15 mm: 24 kg/m²

COLOUR: Snow white.



AREA OF USE

USE

- Exterior or interior walls on all types of housing, office or industrial buildings.
- Minimum 8 mm grouting for brick, stone, ceramic coatings on facades.
- Renovation of existing masonry (contact us).
- Reference documents: DTU20.1, DTU23.1.

AUTHORISED SUBSTRATES: Rt2 and Rt3

- Poured concrete.
- Concrete block or brick masonry.
- Cement or mixed cement sub renders.
- Other substrates, contact us.

PROHIBITED SUBSTRATES

- All Gypsum-based substrates (Plaster).
- Paints, T.P.C.
- Directly on wood.

- Unprotected horizontal or pitched surfaces. (floors, etc.).

and in very humid conditions (increased risk of blooming and carbonation).

- Special measures, see relevant pages.

APPLICATION CONDITIONS

- Between 5°C and 35°C.
- Do not apply on substrates that are frozen or thawing, hot or exposed to full sunlight, soaked or exposed to driving rain and heavy winds.
- Avoid applying deep shades (dark line) at temperatures < 8°C

TECHNICAL SPECIFICATIONS

COMPOSITION

- Binders (lime, cement).
- Fillers, sand and quartz aggregates.
- Water retention agents, setting regulators.
- Waterproofing compound, mineral pigments stable in light.

PRODUCTS

POWDER:

- Max. grading: 2 mm

PASTE:

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

RENDER PERFORMANCE

WHEN HARD:

- Density: 1.4 to 1.8 t/m³
- Modulus of elasticity: 5,000 to 10,000 MPa
- Bending strength: 1.5 to 2.7 MPa
- Fire behaviour (non-combustible): A1 (M0)

RENDER PERFORMANCE AS PER EN 998-1 SINGLE COAT MORTAR OC:

- Compressive strength: CS III (3.5 to 7.5 N/mm²)
- Water permeability after freezing: < 1 cm³/cm²
- Permeability to water vapour: $\mu < 35$
- Thermal conductivity (λ , 10, dry): 0.76 W/mK (tabulated value)

- Durability/adhesion after freezing/Rupt: > 0.2 N/mm² A or B or C
- W2 water absorption: $C \leq 0.20 \text{ kg/m}^2 \cdot \text{min}^{0.5}$
- Fire behaviour (non-combustible): A1 (M0)

APPLICATION

- Mixing rate: 16 to 18 %
- Mixing time: 3 to 7 min.
- Batch life time: 60 min. max.
- Out of water time: 4 to 6 h
- Time before scraping: 4 to 24 h
- Time between applications: 1 to 48 h
- Max. thickness per layer: 20 mm
- Max. thickness used: 30 mm

N.B.: These values are standard laboratory or site testing values. The preparation conditions and the type and wear of the material used may modify them significantly.

APPLICATION

SUBSTRATE PREPARATION

- Substrates must be clean, free of dust, stable, re-filled beforehand if significant chips or splinters are detected.
- During hot weather and/or dry or sensitive winds to prevent the risk of render dehydration, the substrate must be sprayed to saturation the day before application and wet again if necessary before application.

MORTAR PREPARATION

Mortar spraying pumps -

Concrete mixers (discontinuous mixers)

- Mix PRB OZÉ with 4 to 4.5 l of clean water per 25 kg bag for 5 minutes.
- The water dosage and the mixing time will be as consistent as possible to guarantee the evenness of the shade throughout the application.
- Similarly, when using batches with different dates, these should be mixed proportionately to avoid possible variations in shade.

SPRAY EQUIPMENT SETTINGS

Mortar pump

- Water pressure setting: 12 to 14 bars
- Paste operating pressure: 18 to 24 bars
- Lance output flow rate: 14 to 18 l/min
- Spray nozzles (min. Ø): 12 mm

Spray pots

- Air pressure: 6 to 8 bars

Manual

- The application can be carried out by applying trowels of mortar with a highly elastic consistency and slightly overlapping one another.
- The render base-coat is floated using a straight edge.

APPLICATION AND TYPE OF FINISH

- Finish: Scratched, Rustic, Flattened rustic, Floated, Rubbed.
- Application depending on the "Types of Finish".
- To find out the possible types of finish, see "Selection guide".

PRECAUTIONS FOR USE

- Contains cement and/or lime.
- Read the regulatory labelling on the package and read the safety data sheet before using.