

PRB FINICHAUX

LIGHTWEIGHT SINGLE-COAT MEDIUM GRAIN LIME RENDER



The PRB FINICHAUX +

- + Waterproofing and decoration of outside walls type RT1, RT2 and RT3 and interior walls
- + All types of finish (scratched, rustic, flattened rustic, sponge floated...)
- + Micro-fibred render rich in lime, perfectly suitable for older buildings
- + Lets the walls breathe



EN 998-1 Type OC1
Class CS I



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 RT1, RT2 and RT3 substrates.

- **Minimum thickness of 10 mm:** 15 kg/m².

Concrete substrate and render under-coat:

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

- **Minimum finished thickness of 5 mm:** 7.5 kg/m²

- **Maximum finished thickness of 15 mm:** 23 kg/m²

COLOUR: 100 PRB and Sun + colours.



AREA OF USE

USE

- Exterior or interior walls on all types of housing, office or industrial buildings.
- Renovation of old quarry stone, stone or brick masonry (see facade renovation technique sheet)
- Visible stonework render.
- Pointing (8 mm min.) for brick, stone or ceramic facade facing.
- DTU 20.1, DTU 23.1, DTU 26.1 (P1-1, P1-2 and P2).
- DTA 7/11-1493

AUTHORISED SUBSTRATES

(See selection guide)

- Breeze block or brick masonry (DTU 20.1) built using traditional or thin joints.
- Cellular concrete block masonry compliant with NFP 14-306.
- Poured concrete (DTU 23.1).
- Cement or mixed cement render under-coats (DTU26.1).
- Old masonry (quarry stone, stone, brick) DTU 26.1 Ch 11.
- Other substrates please contact us.

PROHIBITED SUBSTRATES

- All Gypsum-based substrates (Plaster).
- Paints, R.P.E.
- Directly on wood.
- Horizontal or sloping surface (except arches and undersides)

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 strong winds.
- Avoid applying intense shades (dark range) at temperatures < 8°C and in very damp conditions (increased risk of efflorescences or carbonation).
- Special measures: see "Substrate preparation".

TECHNICAL CHARACTERISTICS

COMPOSITION

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

PRODUCTS

POWDER:

- Max. grading: 3.15 mm

PASTE:

- Water retention: 95 to 100 %
- pH (alkaline): 12.5 ± 0.5

RENDER PERFORMANCE

WHEN HARD:

- Density: 1.1 to 1.3
- Modulus of elasticity: 2000 to 3500 MPa
- Bending strength: 1 MPa

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

- Compressive strength: CS I (0.4 to 2.5 N/mm²)
- Water permeability after freezing: ≤ 1 cm³/cm²
- Permeability to water vapour: μ ≤ 20
- Thermal conductivity (λ, 10 sec.): 0.54 W/mK (tabulated value)
- Durability/adhesion after freezing/Rupt: ≥ 0.2 N/mm² A or B or C

W2 water absorption:

- C ≤ 0.20 kg/m².min^{0.5}
- Fire behaviour (non-combustible): A1 (M0)

PREPARATION

- Mixing rate: 23 to 27 %
- Mixing time: 3 to 7 min
- Batch life time: 60 min. max.
- Out of water time: 2 to 6 h
- Time before scraping: 3 to 24 h
- Time between applications: 1 to 48 h
- Max. thickness per layer: 20 mm
- Max. total thickness: 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.

PREPARATION

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 screening substrate must be soaked the day before application and wet again if necessary before application.
- Please refer to "Substrate preparation", as well as "Using single coat renders depending on substrate condition".
- For renovations, please refer to "Application advice".

MORTAR PREPARATION

- Mortar spraying pumps - Concrete mixers (discontinuous mixers)
- Mix PRB FINICHAUX with 5.75 to 6.75 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 20 bars
- Lance output flow rate: 12 to 15 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.
- Application depending on the "Types of finish".
- To see the possible types of finish, see the "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.