

PRB CLASSIC F

HEAVY FINE-GRAINED SINGLE-COAT SUB-RENDER



The + of PRB CLASSIC F

- + Render base-coat to waterproof external walls of the RT3 type and internal walls
- + Associated coatings ceramic, paint and RPE, hydraulic renders
- + Can remain uncoated and can be buried

PACKAGING

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

STORAGE: 18 months.

CONSUMPTION

Consumption varies depending on the substrate (type, flatness, roughness).

N.B.: the minimum finished thickness at all points must be 10 mm to guarantee the waterproofing function.

- Minimum thickness of 10 mm: 20 kg/m²

N.B.: for a decorative render the finished thickness must be 5 mm at all points.

- Minimum thickness of 5 mm: 10 kg/m²

COLOUR: Grey.



EN 998-1 Type OC3
CS IV class



AREA OF USE

USE

- Exterior or interior walls on all types of buildings for housing, office or industrial uses.
- Interior walls for housing or collective buildings
- Healthy and strong old buildings (contact us).
- Pointing (8 mm min.) for brick, stone, ceramic facades.
- CPT 2669.2, 3265, 3266.
- DTU 20.1, DTU 23.1, DTU 26.1 (P1-1, P1-2 and P2).

AUTHORISED SUBSTRATES

(See selection guide)

- Poured concrete (DTU 23.1).
- Block-work (DTU 20.1) built using traditional or thin joints.
- Cement or mixed cement under-coats (DTU 26.1).
- Existing masonry and other substrates (contact us).

PROHIBITED SUBSTRATES

- All Gypsum-based substrates (Plaster).
- Paints, R.P.E.

- Directly on wood.
- Horizontal or sloping surfaces.

• ASSOCIATED COATINGS

- Any non-saponifiable interior and exterior paints.
- Thick Plastic Coverings applied in accordance with UTD 59.1 and the standard NFT 30-700.
- Semi-thick coverings (NFT 34-720)
- D2, D3, etc. type decorative and finishing paints.
- I1 to I4 waterproofing paint.

- Facing or single-coat hydraulic render.
- Ceramic coverings bonded using adhesive mortar or adhesives according to CPT no. 3265 and 3266.

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.

TECHNICAL CHARACTERISTICS

COMPOSITION

- Binders (cement, natural hydraulic lime, calcium lime).
- Fillers, sand and quartz aggregates.
- Water retention agents, setting regulators.

PRODUCTS

POWDER:

- Max. grading: 2 mm

PASTE:

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

RENDER PERFORMANCE

WHEN HARD:

- Density: 1.6 à 1.8 t/m³
- Modulus of elasticity: 7,500 to 14,000 MPa
- Bending strength: 2 to 3.5 MPa

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

- Compressive strength: CS IV (≥ 6 N/mm²)
- Water permeability after freezing: ≥ 1 cm³/cm²
- Permeability to water vapour: μ < 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 ≤ 0.20 kg/m².min^{0.5}
- Fire behaviour (non-combustible): A1 (M0)

PREPARATION

- Mixing rate: 14 to 16 %
- Mixing time: 3 to 7 min
- Batch life time: 60 min. max.
- Out of water time: 4 to 6 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 application 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 substrate must be sprayed to saturation 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".

MORTAR PREPARATION

Mortar spraying pumps - Concrete mixers (discontinuous mixers)

- Mix PRB CLASSIC F with 3.5 to 4 l of clean water per 25 kg bag for 5 min.
- The water dosage and mixing time must be as constant as possible.

SPRAY EQUIPMENT SETTINGS

Mortar pump

- Water pressure setting: 12 to 14 bars
- Paste operating pressure: 18 to 20 bars
- Lance output flow rate: 20 to 26 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

The PRB CLASSIC F render is applied:

- Flat smoothed finish for application of ceramics, level or scraped finish for a decorative cement/lime coating or floated in two passes for a paint or RPE coating.

PRECAUTIONS FOR USE

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