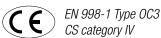
FACADES

PRB CLASSIC F

HEAVY, FINE-GRAIN SINGLE-LAYER RENDER UNDERCOAT

The 🛟 s of PRB CLASSIC F 🗕

- Render base coat for waterproofing type Rt3 (high peel resistance) exterior walls and interior walls
- 0 Suitable for ceramic coatings, paints and thick paint coatings, and hydraulic renders
- 0 Can be left bare and suitable for use on underground walls





AREA OF USE

USES

- · Exterior and interior walls on all types of residential, commercial or industrial buildings.
- · Interior walls of houses or buildings · Sound and sturdy old buildings (please
- contact us before use). • Joints (minimum 8mm) for brick, stone and ceramic facades.
- French DTU Standards 20.1 & 23.1, 26.1 (P1-1, P1-2 and P2) and 52.2.

SUITABLE SUBSTRATES

- (see Selection Guide) Cast-in-place concretes (DTU 23.1). Breeze block masonry (DTU 20.1) with
- standard or narrow joints. · Cement undercoats and mixes (DTU 26.1). · Old masonry and other substrates (please
- contact us beforehand).

PROHIBITED SUBSTRATES

- · All gypsum-based substrates (plaster). · Paint & thick paint coatings.
- · Bare wood.
- · Horizontal or sloping surfaces.

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: 20 kg/m²

NB: For decorative rendering, the minimum finished thickness required is 5mm at all points

- Minimum thickness of 5mm: 10 kg/m²

COLOUR: Grev.

COMPATIBLE COATINGS & COVERINGS

- · All unsaponifiable interior and exterior paints. · Thick paint coatings applied in accordance
- with the French DTU Standard 59.1.
- · Semi-thick coatings.
- · Decorative and ornamental paints type D2. D3...
- I1 to I4 waterproofing paint.
- · Single-coat and topcoat hydraulic renders. Ceramic coverings bonded with adhesive mortar or adhesives in accordance with the French DTU 52 2

Durability/adhesion after freezing/Rupture:

· Reaction to fire (non-combustible): A1 (M0)

 \geq 0.2 N/mm² - A, B or C

Capillarity ≤ 0.20 kg/m².min^{0.5}

Water absorption (Wc2).

APPLICATION CONDITIONS

Between 5°C and 35°C.

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PRB CLASSIC F

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- 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

TECHNICAL CHARACTERISTICS PERFORMANCE

INGREDIENTS

- · Binders (cement, natural hydraulic lime & high calcium lime).
- · Fillers, quartz sands and aggregates.
- · Water-retention agents & setting agents.

PRODUCTS

POWDER: Max. grain size: 2mm

PASTE:

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

WHEN HARDENED:

- Density: 1.6 to 1.8 t/m³
- Modulus of elasticity: 7,500 to 14,000 MPa
 Flexural strength: 2 to 3.5 MPa PERFORMANCE ACCORDING TO

EN 998-1 - SINGLE-LAYER MORTARS: · Compressive strength:

- CS IV (≥ 6 N/mm²)
- Water permeability after freezing: ≥ 1 cm³/cm² Water vapour permeability: µ <35

Thermal conductivity (λ 10, dry):

0.76 W/mK (established value)

• Mixing time: 3 to 7 mins · Mixture handling time: 60 mins max.

APPLICATION

14 to 16%

 Setting time - before contact with water: 4 to 6 hrs

• Mixing ratio (amount of water needed):

· Setting time - between layers: 1 to 48 hrs

UTILISATION

SUBSTRATE PREPARATION

- · Substrates 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
- Please refer to "Substrate preparation" and "Applying single layer renders depending on the condition of the substrate".

MORTAR PREPARATION Mortar pumps/sprayers -

- Concrete mixers (batch mixers) Mix PRB CLASSIC F with 3.5 to 4 litres of clean water per 25 kg bag for
- 5 mins. · The water ratio and mixing time should be kept as constant as possible to ensure an

even application.

PUMP/SPRAYER SETTINGS Mortar pump

- Water pressure setting: 12 to 14 bars · Paste operating pressure:
- 18 to 20 bars • Output flow rate: 20 to 26 L/min
- Spray nozzles (min. Ø): 12mm Spray guns

Air pressure: 6 to 8 bars

- Manual application
- · Once the product is mixed to a very plastic consistency, it can be applied with a mortar trowel, overlapping slightly.
- · Level the base coat by smoothing the render with a straight edge

· Maximum thickness per layer: 20mm Maximum working thickness: 30mm

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.

APPLICATION AND TYPES OF FINISH PRB CLASSIC F can be applied as follows:

· Levelled and compacted to support a ceramic coating, roughened or scraped to support a decorative cement/lime-based coating, or float-finished in two-coats before applying paint or a thick paint coating

PRECAUTIONS FOR USE

· Contains cement and/or lime. • Please read the packaging safety label and safety data sheet before use.

Technical Data Sheet - 9 June 2022