

PRB BELLE ÉPOQUE FINITION GM/GF

DECORATIVE, FINE OR MEDIUM GRAIN LIME-BASED FINISHING RENDER



The PRB BELLE ÉPOQUE FINITION GM/GF +

- + 3rd layer of decorative finish for a traditional render in two or three layers for exterior walls
- + Finishes: scratched, floated, trowel scratched, trowel smoothed, sponge aged, sand aged, visible stonework



EN 998-1 Type CR
Class CS II



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).

PRB BELLE ÉPOQUE Finition, its consumption is:
16 to 17 kg/m² approx. for a thickness of **8 to 10 mm**.
For re-pointing, the consumption depends on the thickness and depth of the pointing to be repaired.

COLOUR: 100 PRB and Sun + colours.



AREA OF USE

USE

- Decorative render for exterior or interior walls on all types of housing, office or industrial buildings.
- Pointing of masonry and mortared stonework (brickwork, tiling).
- DTU20.1, DTU23.1, DTU 26.1 (P1-1, P1-2 and P2), NFP 15-201.

AUTHORISED SUBSTRATES

- (see selection guide)
- BELLE ÉPOQUE under-coat.
- Cement and mixed cement render under-coats (DTU 26.1).
- Grey, single-coat under-coats (CPT 2669.2).
- In a refurbishment context, contact the PRB technical department.

PROHIBITED SUBSTRATES

- All Gypsum-based substrates (Plaster).
- Directly on exterior masonry element walls (cellular concrete, breeze blocks, bricks...) that are not covered with a waterproofing render.
- Paints, T.P.C.
- Directly on wood.
- Horizontal, pitched and basement surfaces (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 at temperatures < 8°C and in very damp conditions (increased risk of efflorescences or carbonation).
- Special measures: see "Substrate preparation".

TECHNICAL CHARACTERISTICS

PRB BELLE ÉPOQUE finition is a decorative render covered by DTU 26.1.

COMPOSITION

- CL 90 air-slaked limes (calcic lime or fat lime) hydraulic lime NHL 3.5.
- Rolled and calibrated quarried quartz alluvial sands.
- Natural mineral pigments, specific additives.

PRODUCTS

- POWDER:**
 - Max. grading: PRB BELLE ÉPOQUE Finition (coloured): 3.15 mm
 - PRB BELLE ÉPOQUE Finition Fin (coloured): 2 mm

PASTE:

- Water retention: 86 to 94 %
- pH (alkaline): 12.5 ± 0.5

RENDER PERFORMANCE IN HARDENED CONDITION:

- Density: 1.4 to 1.8 t/m³
- Modulus of elasticity: 3500 to 7500 MPa
- Bending strength: 1 to 1.5 MPa

RENDER PERFORMANCE AS PER EN 998-1 FINISHING RENDER MORTAR USING CATEGORY CSII CR lime:

- Compression strength (BELLE ÉPOQUE Finition): CS II (1.5 to 5 N/mm²)
- Permeability to water vapour: $\mu < 35$
- Thermal conductivity (λ , 10, dry): 0.76 W/mK (tabulated value)
- Adherence/Rupt: ≥ 0.2 N/mm² A or B or C
- Water absorption (B.E. Finition) W2: $C < 0.20$ kg/m².min^{0.5}
- Fire behaviour (non-combustible): A1 (M0)
- Durability: PND

PREPARATION

- Mixing rate: 17 to 20 %
- Mixing time: 3 to 7 min
- Batch life time: 60 min. max.
- Out of water time: 4 to 6 h
- Time between applications: 7 days
- Max. thickness per layer: 20 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, strong, 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.
- Refer to "Application advice".

MORTAR PREPARATION

- Mortar spraying pumps - Concrete mixers (discontinuous mixers)**
- Mix PRB BELLE ÉPOQUE Finition with 4.25 to 5 l of clean water per 25 kg bag for 5 min.
- The water dosage and mixing time will be as constant as possible to guarantee correct render consistency.

SPRAYING EQUIPMENT SETTINGS

Mortar pump

- Water pressure setting: 12 to 14 bars
- Paste operating pressure: 16 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 FINISH TYPE

- PRB BELLE ÉPOQUE Finition render also provides the possibility of altering the appearance through the addition of materials such as: crushed brick, crushed glass, seashells, different colours and types of regional aggregate.
- However, these aggregates or materials must not exceed 5 % per 25 kg bag.
- PRB BELLE ÉPOQUE Finition render can be applied with different types of finish, see "Types of Finish".

PRECAUTIONS FOR USE

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