

# PRB BELLE ÉPOQUE FINITION GM/GF

DECORATIVE FACING PLASTER LIME: FINE OR MEDIUM GRAIN



## The +s of PRB BELLE ÉPOQUE FINITION GM/GF

- + Decorative finish for HISTORIA lime undercoat
- + Low modulus of elasticity, very flexible rendering
- + Ideal for old buildings (high lime content provides resistance and breathability)
- + Suitable for the wine-growing environment (Excell +)
- + All types of finishing and pointing



EN 998-1 Type CR  
CS category II



### PACKAGING

– Paper bag containing 25kg.

**STORAGE LIFE:** 18 months.

### CONSUMPTION/USE

Consumption varies according to the substrate (nature, flatness, roughness).

For decorative rendering, the thickness should be 5 mm at all points.

**Average consumption: 1.6 kg/m<sup>2</sup>/mm thickness.**

**COLOUR:** 100 PRB colours and Sun + colours.



## APPLICATIONS

### USES

- Decorative plaster for exterior and interior walls on all types of buildings for residential, tertiary or industrial use. Grouting masonry or glued stone, tiles, slabs.
- French DTU Standards 20.1, 23.1 & 26.1 (P1-1, P1-2 & P2).

### SUITABLE SUBSTRATES

- (see Selection Guide)
- BELLE ÉPOQUE undercoat.
- Cement undercoats and mixes (French DTU 26.1).
- Grey single-layer undercoat (French DTU 26.1).
- For renovations, please contact the PRB technical department.

### UNSUITABLE SUBSTRATES

- All gypsum-based substrates (plaster).
- Directly on exterior masonry walls (cellular concrete, breezeblocks, bricks, etc.) not covered with a rendering that ensures their waterproofing.
- Paint & thick paint coatings
- Bare wood.
- Horizontal or sloping surfaces or plinths (except arches and soffits).

### APPLICATION CONDITIONS

- Between 5°C and 35°C.
- 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.
- Do not use strong colours (dark range) at temperatures below 8°C and with high humidity (increased risk of efflorescence or carbonation).
- Special conditions: see "Preparing the surface".

## TECHNICAL CHARACTERISTICS

PRB BELLE ÉPOQUE Finition is a decorative coating that comes under the French DTU Standard 26.1.

### INGREDIENTS

- Air-slaked lime - CL 90 (calcium lime or fat lime) & hydraulic limes - NHL 3.5.
- Alluvial quartz sands from quarries, rolled and classified.
- Natural mineral pigments and specific additives.

### PRODUCTS

#### POWDER:

- Max. grain size: 3.15mm
- PRB BELLE ÉPOQUE Finition (coloured): 2 mm

#### PASTE:

- Water retention: 86 to 94%
- pH (alkaline): 12.5 ± 0.5
- PERFORMANCE WHEN HARDENED:**
- Density: 1.4 to 1.8 t/m<sup>3</sup>
- Modulus of elasticity: 3500 to 7500 MPa
- Flexural strength: 1 to 1.5 MPa

### PERFORMANCE ACCORDING TO EN 998-1 CR LIME FACING AND RENDERING MORTAR CS CATEGORY II:

- Compressive strength: (BELLE ÉPOQUE Finition): CS II (1.5 to 5 N/mm<sup>2</sup>)
- Water vapour permeability:  $\mu < 15$
- Heat conductivity ( $\lambda$ , 10, dry): 0.76 W/mK (established value)
- Adhesion/Rupture:  $\geq 0.2$  N/mm<sup>2</sup> A, B or C
- Water absorption (Wc2): Capillarity  $< 0.20$  kg/m<sup>2</sup>.min<sup>0.5</sup>
- Reaction to fire (non-combustible): A1 (M0)
- Durability: NPD

### APPLICATION

- Quantity of water needed: 17 to 20%
- Mixing time: 3 to 7 mins
- Mixture handling time: 60 mins max.
- Setting time - before contact with water: 4 to 6 hrs
- Setting time - between layers: 7 days
- Maximum thickness per layer: 20 mm

**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.

## UTILISATION

### PREPARING THE SURFACES

- Surfaces must be clean, resistant, dust-free, stable, and any large chips, cracks or dents must be filled in beforehand.
- In hot weather and/or dry or gusty winds, the substrate should be wetted the day before application and again prior to application if necessary to prevent the render drying out.
- Please refer to "Application Advice".

- The water ratio and mixing time should be kept as consistent as possible to ensure a uniform application and a smooth finish.

- Level the base layer by smoothing the render with a straight edge.

### PREPARING THE MORTAR

- Mortar pumps / sprayers - Concrete mixers (batch mixers)
- For every 25 kg bag, mix PRB BELLE ÉPOQUE Finition with 4.25 to 5 L of clean water for 5 minutes.

### PUMP/SPRAYER SETTINGS

- Grouting pump**
- Set the water pressure to: 12 to 14 bars
- Paste operating pressure: 16 to 24 bars
- Sprayer flow rate: 14 to 18 L/min
- Spray nozzles (min. Ø): 12 mm
- Spray guns**
- Air pressure: 6 to 8 bars
- Manual**
- The plaster can be applied in small strokes with a plastic mortar trowel, overlapping slightly.

### APPLICATION AND TYPES OF FINISH

- You can also modify the appearance of PRB BELLE ÉPOQUE Finition by adding materials such as: crushed bricks, crushed glass, shells or aggregates of different colours and textures.
- However, these additional aggregates or materials should not exceed 5% per 25 kg bag.
- PRB BELLE ÉPOQUE Finition is available in different types of finish: see "Types of Finish".

### PRECAUTIONS FOR USE

- Contains cement and/or lime.
- Refer to the packaging safety label and safety data sheet before use.