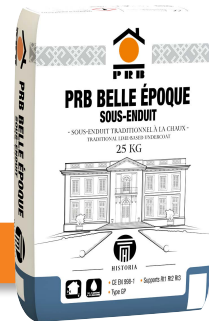


PRB BELLE ÉPOQUE SOUS-ENDUIT

TRADITIONAL LIME-BASED UNDERCOAT



The +s of PRB BELLE ÉPOQUE SOUS-ENDUIT

- + Ideal for older buildings (high lime content provides resistance and breathability)
- + Low modulus of elasticity, very flexible rendering
- + Compatible with lime finishing plasters from the HISTORIA range
- + Suitable for the wine-growing environment (Excell +)
- + Can be used on hemp concrete (white only) and raw earth

PACKAGING

– Paper bag containing 25kg.

STORAGE LIFE: 18 months.

CONSUMPTION/USE

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

PRB BELLE ÉPOQUE Sous-Enduit - consumption:
≈ 16 to 17 kg/m² for an application thickness of 10 mm.

For pointing, consumption depends on the thickness and depth of the joints to be filled.

COLOUR: White & Grey



EN 998-1 Type GP

CS category: II (White) & III (Grey)



APPLICATIONS

USES

- Exterior or interior walls, old or new, on all types of buildings for residential, tertiary or industrial use.
- Re-pointing plaster for stones and bricks and for gluing exterior facing bricks on old and new buildings.
- French DTU Standards 20.1 & 23.1, 26.1 (P1-1, P1-2 and P2).

SUITABLE SUBSTRATES

(see Selection Guide)

- Old masonry work (French DTU 26.1) chapter 11, rubble or stone masonry with low-strength mortar, high quality and low quality brickwork, earthwork, stone walls with or without pointing, etc.
- Cement and/or mixed plasters and undercoats (French DTU 26.1)
- Breeze block masonry or brickwork (BESC white) (French DTU 20.1) with standard or narrow joints.
- Cast-in-place concretes (French DTU 23.1).
- For other substrates and specific applications, please contact our technical department.

UNSUITABLE SUBSTRATES

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

COMPATIBLE SURFACING MATERIALS

- PRB BELLE ÉPOQUE Finition.
- FINICHAUX Single-layer restoration plaster.
- Decorative coatings: TYROLIEN FACADE RENDER...
- Paint & thick paint coatings...

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.
- Special conditions: see *"Preparing the surface"*.

TECHNICAL CHARACTERISTICS

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

PASTE:

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

PERFORMANCE WHEN

HARDENED:

- Density: 1.4 to 1.8 t/m³
- Modulus of elasticity: 5,000 to 10,000 MPa
- Flexural strength: 1.5 to 2.7 MPa

PERFORMANCE ACCORDING TO EN 998.1 GENERAL PURPOSE LIME-BASED UNDERCOAT MORTAR - CS CATEGORY II & III:

- Compressive strength: CSII (1.5 to 5 N/mm²) (white) CSIII (3.5 to 7.5 N/mm²) (grey)
- Water vapour permeability: $\mu \leq 15$

- Thermal Conductivity (λ , 10, dry): 0.76 W/mK (established value)

- Adhesion/Rupture: ≥ 0.2 N/mm² A, B or C.
- Water absorption (Wc1): Capillarity ≤ 0.40 kg/m².min^{0.5}
- Reaction to fire (non-combustible): A1 (M0)
- Durability: NPD

APPLICATION

- Quantity of water needed: 14 to 16% (Grey) 16 to 20% (White)

- 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 SURFACE

- Surfaces must be clean, 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.
- See *"Preparing the surface"*.
- For use on old substrates, see *"Solutions"*.

PREPARING THE MORTAR

Mortar pumps / sprayers - (continuous and batch mixers)

- For every 25 kg bag, mix PRB BELLE ÉPOQUE SOUS-ENDUIT with 3.5 to 4 L of clean water (grey) or 4 to 5 L (white) for 5 minutes.
- The water ratio and mixing time should be kept as consistent as possible to ensure a uniform application and a smooth finish.

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 render can be applied in small strokes with a plastic mortar trowel, overlapping slightly.
- Level the base layer by smoothing the render with a straight edge.

APPLICATION AND TYPES OF FINISH

- See *"Selection Guide"*.
- For 2 or 3 coats, see *"Types of finish"*.

PRECAUTIONS FOR USE

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