

PRB BELLE ÉPOQUE SOUS-ENDUIT

TRADITIONAL LIME SUB-RENDER



The PRB BELLE ÉPOQUE SOUS-ENDUIT

- First application(s) of a traditional render system in two or three layers on walls
- Ideal for older buildings
- Breathable and strong



EN 998-1 Type GP
Class CS II (white) and III (grey)



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 Sous-Enduit, its consumption is of: 16 to 17 kg/m² approx. for a thickness of 10 mm.

For re-pointing, the consumption depends on the thickness and the depth of the pointing to repair.

COLOUR: White and Grey

AREA OF USE

USE

- Existing or new exterior or interior walls on all types of buildings for housing, office or industrial uses.
- Re-pointing render for stone, brick, exterior finishes bonded on existing and new buildings.
- DTU 20.1, DTU 23.1, DTU 26.1 (P1-1, P1-2 and P2).

AUTHORISED SUBSTRATES

- (see selection guide)
- Existing masonry (DTU 26.1) chapter 11, quarried stone or stones joined using weak mortar, brickwork of good and bad quality, loam masonry, stone walls whether repointed or not,...
- Cement renders and sub-renders and/or rough coats (DTU 26.1)
- Breeze block or brick masonry (white BESC) (DTU 20.1) built using traditional or thin pointing.
- Poured concrete (DTU 23.1)
- Other substrate types and specific uses, contact the technical department.

PROHIBITED SUBSTRATES

- All Gypsum-based substrates (Plaster).
- Paints, T.P.C.
- Directly on wood.
- Horizontal or pitched surface (except arches and undersides).

ASSOCIATED COATINGS

- PRB BELLE ÉPOQUE Finition.
- FINIBRIK single-coat restoration render.
- Decorative renders: MANUPRO, TYROGRAIN...
- Paint, TPC...

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.
- Special measures: see "Substrate preparation".

TECHNICAL CHARACTERISTICS

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: 3.15 mm

PASTE:

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

RENDER PERFORMANCE

WHEN HARD:

- Density: 1.4 to 1.8 t/m³
- Modulus of elasticity: 5000 to 10000 MPa
- Bending strength: 1.5 to 2.7 MPa

RENDER PERFORMANCE AS PER 998.1 GP LIME UNDER-COAT MORTAR OF CATEGORY CS II AND CS III:

- Compression strength (BELLE ÉPOQUE SC): CSII (1.5 to 5 N/mm²) (white) CSIII (grey)
- 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 (BELLE ÉPOQUE SC) W1: $C \leq 0.40$ kg/m².min^{0.5}
- Fire behaviour (non-combustible): A1 (M0)
- Durability: PND

PREPARATION

- Mixing rate: 16 to 16 % (Grey) 16 to 20 % (White)

- 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, 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 "Substrate preparation".
- For preparation on older substrates, refer to "Solutions".

MORTAR PREPARATION

Mortar spraying pumps (continuous and discontinuous spraying beaters)

- Mix PRB BELLE ÉPOQUE SOUS-ENDUIT with 3.5 to 4 l of clean water for the Grey and 4 to 5 l of clean water for the White, per 25 kg bag for 5 min.
- The water dosage and mixing time will be as constant as possible to guarantee correct render consistency.

SPRAY 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 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

- Finishes, refer to "Selection guide".
- Application in 2 or 3 layers, refer to "Finish types".

PRECAUTIONS FOR USE

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