PRB SUPERBRUT SOUS-ENDUIT

LIGHTWEIGHT, FINE-GRAIN, SINGLE-LAYER UNDERCOAT

The + s of PRB SUPERBRUT SOUS-ENDUIT

- Waterproofing and decorating Rt1* (≥ to 550kg/m3), Rt2 and Rt3 exterior walls and interior walls
- Can be used underground (see conditions)
- Suitable for: paint, TPC, TMC, renders
- Lime-based, lets walls breathe

CE

EN 998-1 Type OC2
CS category: II Wc2

UKCA

QB QUALITÉ POUR LE BÂTIMENT N° 49 M 62

ÉMISSIONS DANS L'AIR INTÉRIEUR* A+ (A+ A B C)

PACKAGING
– Paper bag containing 25 kg.

STORAGE LIFE: 18 months.

CONSUMPTION/USE
The consumption varies depending on the surface (type, flatness, roughness, etc.).
The thickness at all protruding points of the facades must be at least 10 mm, in order to ensure proper waterproofing on Rt1, Rt2 and Rt3 substrates.
– Minimum thickness of 10 mm: 14.5 kg/m².
Concrete substrates and undercoats:
For decorative plastering, the thickness must be 5 mm at all points.
– Minimum finished thickness of 5 mm: 7.5 kg/m²
– Maximum finished thickness of 15 mm: 18 to 20 kg/m²

COLOUR: Grey.

APPLICATIONS

USES
- Waterproof undercoat for exterior or interior walls, on all types of buildings, for residential, tertiary or industrial use.
- Joints (min. 8 mm) for bricks, stone and ceramic facades.
- Reference documents: French DTU Standards 20.1, 23.1 & 26.1.

SUITABLE SUBSTRATES
(see Selection Guide)
- Concretes (French DTU 23.1).
- Breeze block masonry or brickwork with standard or narrow joints (French DTU 20.1).
- Cement undercoats and mixes (French DTU 26.1).
- For old masonry and other surfaces, please contact us beforehand (French DTU 26.1).
- Cellular concrete masonry - density ≥ 550 kg/m³ according to NF EN 772-13.

** Outside the scope of certification QB 11-3.*

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

COMPATIBLE SURFACING MATERIALS
- All unsaponifiable interior and exterior paints.
- Thick plastic coatings: French DTU 59.1.
- Thick mineral coatings: French DTU 59.1.
- Semi-thick coatings.
- Decorative and ornamental paints (acrylic or mineral) - type D2, D3…
- Waterproofing paints: A2(I1) to A5(I4).
- OC1 CSI, OC2 CSII and CR CSII single-layer or decorative hydraulic renders.

APPLICATION CONDITIONS
- Between 5°C and 35°C.
- If the temperature exceeds 30°C, special protective measures must be taken.

TECHNICAL CHARACTERISTICS

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

PRODUCTS
POWDER:
- Max. grain size: 2 mm

PASTE:
- Water retention: ≥ 94%
- pH (alkaline): 12.5 ± 0.5

PERFORMANCE WHEN HARDENED:
- Density: 1.2 to 1.6 t/m³
- Modulus of elasticity: ≤ 5,000 MPa
- Flexural strength: 1 to 2.5 MPa

PERFORMANCE ACCORDING TO EN 998-1 - SINGLE-LAYER MORTAR:
- Compressive strength: CS II (1.5 to 5 N/mm²)
- Water permeability after freezing: ≤ 1 cm³/cm²
- Water vapour permeability: μ <20
- Thermal conductivity (λ 10, dry): 0.54 W/mK (established value)
- Durability/adhesion after freezing/Rupture: ≥ 0.2 N/mm² A, B or C
- Water absorption (Wc2): Capillarity ≤ 0.20 kg/m².min$^{0.5}$
- Reaction to fire (non-combustible): A1 (M0)

APPLICATION
- Quantity of water needed: 23 to 27%
- 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: 1 to 72 hrs
- Maximum thickness per layer: 20 mm
- Maximum working thickness: 30 mm
- Min. thickness (waterproofing): 10 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 chips, cracks or dents must be filled in beforehand.
- Spray the surfaces with water 1/2 hour before application and allow to dry (matt appearance) before applying the plaster.
- Refer to ***"Preparing the surface"***, as well as to ***"Applying an undercoat/base layer according to the condition of the surface"***.

PREPARING THE MORTAR
Mortar pumps/sprayers - Concrete mixers (batch mixers)
- For every 25 kg bag, mix **PRB SUPERBRUT SOUS-ENDUIT** with 5.75 to 6.25 L of clean water for 5 mins.
- The water dosage and mixing time should be as consistent as possible to ensure regular colour throughout.
- Similarly, if using batches from different dates, these should be mixed proportionally to avoid irregular colouring.

PUMP/SPRAYER SETTINGS
Grouting pump
- Set the water pressure to: 12 to 14 bars
- Paste operating pressure: 18 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
- Once the product is mixed to a very plastic consistency, it can be applied with a mortar trowel, overlapping slightly.
- Level the base layer by smoothing the render with a straight edge.

APPLICATION AND TYPES OF FINISH
- Rough finish or scraped to obtain a decorative cement/lime coating or float-finish in 2 layers for applying paint, waterproof paint, thick paint coatings, semi-thick coatings, etc.

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