PRB CLASSIC TAL

SEMI-LIGHTWEIGHT, SINGLE-COAT, FINE-GRAIN RENDER UNDERCOAT

The + s of PRB CLASSIC TAL

- Waterproofing for Rt3 external walls and interior walls
- Smooth, clean finish (sponge trowelling)
- Compatible with organic coatings (paints & thick paint coatings) and decorative hydraulic and mineral coatings
- Can support terracotta tiles
- Suitable for use on underground retaining walls

EN 998-1 Type OC2
CS category III

QUALITÉ POUR LE BÂTIMENT N° 49 M 250

PACKAGING
– Paper bag containing 25kg.

STORAGE LIFE: 18 months.

CONSUMPTION/USE
The thickness at all protruding points of the facades must be at least 10 mm, in order to ensure proper waterproofing on Rt3-type substrates.
Concrete substrates and undercoats:
The thickness must be 5 mm at all points.

– Average consumption: 1.6 kg/m²/mm of thickness

COLOUR: Grey

APPLICATIONS

USES
- Exterior and interior walls on all types of buildings for residential, tertiary or industrial use.
- Sound, sturdy old builds (please contact us before use).
- Joints (min. 8 mm) for bricks, stone and ceramic facades.
- French DTU Standards 20.1 & 23.1, 26.1 (P1-1, P1-2 and P2) and 52.2.

SUITABLE SUBSTRATES
(see Selection Guide)
- Cast-in-place 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).
- Old masonry and other substrates (please contact us beforehand).

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 paint coatings applied in accordance with the French DTU 59.1 and NF EN 1062 standard.
- Semi-thick coatings.
- Decorative and ornamental paints - type D2, D3…
- I1 to I4 waterproofing paint.
- Single-coat and topcoat hydraulic renders.
- Glued tiles (please contact us before applying):

For façades:
Natural terracotta tiles on large surfaces up to 28m (DTU 52.2).
For interior walls:
Compatible with all tiles described in the French DTU 52.2.

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.

TECHNICAL CHARACTERISTICS

INGREDIENTS
- Binders (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: ≤ 1.6 mm

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

PERFORMANCE WHEN HARDENED:
- Density: 1.4 to 1.8 t/m^3
- Modulus of elasticity: 7,500 to 14,000 MPa
- Flexural strength: 2 to 3.5 MPa

PERFORMANCE ACCORDING TO EN 998-1 SINGLE-LAYER MORTAR:
- Compressive strength: CS III (3.5 to 7.5 N/mm^2)
- Water permeability after freezing: ≤ 1 cm^3/cm^2
- Water vapour permeability: μ <35
- Thermal conductivity (λ 10, dry): 0.76 W/mK (established value)
- Durability/adhesion after freezing/Rupture: ≥ 0.2 N/mm2 A, B or C.
- Water absorption (Wc2): Capillarity ≤ 0.20 kg/m^2.min$^{0.5}$
- Reaction to fire (non-combustible): A1 (M0)

APPLICATION
- Quantity of water needed: 17 to 19%
- 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 48 hrs
- Maximum thickness per layer: 20 mm
- Maximum working thickness: 30 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.

APPLICATION

PREPARING THE SURFACES
- 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.
- Refer to ***"Preparing the surface"***, as well as to ***"Applying an undercoat according to the condition of the surface".***

PREPARING THE MORTAR
•Mortar pumps / sprayers - Concrete mixers (batch mixers)
- For every 25kg bag, mix **PRB CLASSIC TAL** with 4.25 to 4.75 L of clean water for 5min.
- The water ratio and mixing time should be kept as consistent as possible to ensure a uniform application.

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
PRB CLASSIC TAL can be applied as follows:
- Levelled and compacted to support a ceramic coating, roughened or scraped to support a decorative cement/lime-based coating, or float-finished in two-coats before applying paint or a thick paint coating.

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

Technical Data Sheet - 10 November 2023