

PRB CLASSIC TAL

SEMI-HEAVY FINE GRAIN SINGLE-COAT SUB RENDER



The PRB CLASSIC TAL +

- + Weatherproofing of external walls of the RT3 type and interior walls
- + Smooth and fine finish for sponge floated
- + Compatible with organic coverings (paint and thick paint coverings), hydraulic and mineral decorative renders
- + Can be covered with a terracotta tile finish
- + Render can be used in-ground



EN 998-1 Type OC3
Class CS III



PACKAGING

- 25 kg paper bag.
- 1.6 t pallet, i.e. 64 25 kg bags.

STORAGE: 18 months.

CONSUMPTION

Consumption varies according to the substrate (type, flatness, roughness).
The minimum thickness at all protruding points on the facade must be 10 mm to guarantee the waterproofing function on RT3 substrates.

- Minimum thickness of 10 mm: 16 kg/m².

Concrete substrate and render under-coat:

The thickness must be 5 mm at all points.

- Minimum finished thickness of 5 mm: 8 kg/m²

- Maximum finished thickness of 15 mm: 24 kg/m²

COLOUR: Grey



AREA OF USE

USE

- Exterior or interior walls on all types of housing, office or industrial buildings.
- Healthy and strong old buildings (contact us).
- Pointing (8 mm min.) for brick, stone, ceramic facades.
- DTU 20.1, DTU 23.1, DTU 26.1 (P1-1, P1-2 and P2).
- CPT 2669.2, 3265, 3266.

AUTHORISED SUBSTRATES

(See selection guide)

- Poured concrete (DTU 23.1).
- Block-work (DTU 20.1) built using traditional or thin joints.
- Cement or mixed cement under-coats (DTU 26.1).
- Existing masonry and other substrates (contact us).

PROHIBITED SUBSTRATES

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

ASSOCIATED COATINGS

- Any non-saponifiable interior and exterior paints.
- Thick Plastic Coverings applied in accordance with DTU 59.1 and the NFT 30-700 standard.
- Semi-thick coverings (NFT 34-720)
- D2, D3, etc. type decorative and finishing paints.
- I1 to I4 waterproofing paint.
- Facing or single-coat hydraulic render.
- Bonded tiling (contact us):
On facades:
Natural terracotta tiles on large surface areas up to 28 m (DTU 52.2).

For interior walls:

Compatible with all tiling described in DTU 52.2.

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.

TECHNICAL SPECIFICATIONS

COMPOSITION

- Binders (cement, natural hydraulic lime, calcium lime).
- Fillers, sand and quartz aggregates.
- Water retention agents, setting regulators.
- Integral waterproofing.

PRODUCTS

POWDER:

- Max. grading: ≤ 1.6 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: 7,500 to 14,000 MPa
- Bending strength: 2 to 3.5 MPa

RENDER PERFORMANCE AS PER EN 998-1 OC SINGLE COAT MORTAR:

- Compressive strength: CS III (3.5 to 7.5 N/mm²)
- Water permeability after freezing: ≤ 1 cm³/cm²
- Permeability to water vapour: μ < 35
- Thermal conductivity (λ 10, dry): 0.76 W/mK (tabulated value)

- Durability/adhesion after freezing/Rupt: ≥ 0.2 N/mm² A or B or C
- W2 water absorption: C ≤ 0.20 kg/m².min^{0.5}
- Fire behaviour (non-combustible): A1 (M0)

APPLICATION

- Mixing rate: 17 to 19 %
- Mixing time: 3 to 7 min.
- Batch life time: 60 min. max.
- Out of water time: 4 to 6 h
- Time between applications: 1 to 48 h
- Max. thickness per layer: 20 mm
- Max. total thickness: 30 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.

APPLICATION

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.
- Please refer to "Substrate preparation", as well as "Applying sub-coats depending on substrate condition".

MORTAR PREPARATION

Mortar spraying pumps - Concrete mixers (discontinuous mixers)

- Mix PRB CLASSIC TAL with 4.25 to 4.75 l of clean water per 25 kg bag for 5 minutes.
- The water dosage and mixing time must be as constant as possible.

SPRAYING 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 l/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 FINISH TYPE

The PRB CLASSIC TAL render is applied:

- Flat smoothed finish for application of ceramics, level or scraped finish for a decorative cement/lime coating or floated in two passes for a paint or TPC coating.

PRECAUTIONS FOR USE

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