

PRB TRADICLAIR PR

SEMI-LIGHTWEIGHT FINE GRAIN SINGLE-COAT RENDER



The PRB TRADICLAIR PR

-  **Waterproofing and decoration of external walls of the R13 type and interior walls**
-  **All types of finish (fine scratched, floated, flattened and rustic...)**
-  **Render can be used in-ground**

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 spots on the facade must be 10 mm to guarantee the waterproofing function on R13 substrates.

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

Concrete substrate and sub render:

For a decorative render the thickness must be 5 mm at all points.

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

- Maximum finished thickness of 15 mm: 21 to 24 kg/m²

COLOUR: 100 PRB and Sun + colours.



EN 998-1 Type OC3
CS III W2 class



AREA OF USE

USE

- Exterior or interior walls on all types of housing, office or industrial buildings.
- Pointing (8 mm min.) for brick, stone, ceramic facades.

REFERENCE DOCUMENTS:

- DTU 20.1, DTU 23.1, DTU 26.1.

AUTHORISED SUBSTRATES (R13)

(See selection guide)

- Poured concrete (DTU 23.1).
- Concrete block masonry built using traditional or thin (DTU 20.1) pointing.
- Cement or mixed cement sub renders (DTU 26.1).
- Existing masonry and other substrates (contact us).

NB: The substrates must comply with their respective standards

PROHIBITED SUBSTRATES

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

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.

- Avoid applying intense shades (dark range) at temperatures < 8°C and in very damp conditions (increased risk of efflorescences or carbonation).
- Special measures: see **"Substrate preparation"**.

TECHNICAL SPECIFICATIONS

COMPOSITION

- Binders (white cement, natural hydraulic lime, calcic lime).
- Fillers, sand and quartz aggregates.
- Water retention agents, setting regulators.
- Integral waterproofing, mineral pigments stable in light.

PRODUCTS

POWDER:

- Max. grading: < 2 mm.

PASTE:

- Water retention: 91 to 97 %.
- 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.

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

- 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: 14 to 18 %.
- Mixing time: 3 to 7 min
- Batch life time: 60 min max.
- Out of water time: 4 to 6 h
- Time before scraping: 4 to 24 h
- Time between applications: 1 to 48 h
- Max. thickness per layer: 20 mm.
- Max. applied thickness: 30 mm.

- Minimum thickness for waterproofing: 10 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 **"Using single coat renders depending on substrate condition"**.

MORTAR PREPARATION

Mortar spraying pumps - Concrete mixers (discontinuous mixers)

- Mix PRB TRADICLAIR PR with 3.5 to 4.5 l of clean water per 25 kg bag for 5 minutes.
- The water dosage and the mixing time will be as consistent as possible to guarantee the evenness of the shade throughout the application.
- Similarly, when using batches with different dates, these should be mixed proportionately to avoid possible variations in shade.

SPRAY EQUIPMENT SETTINGS

Mortar pump

- Water pressure setting: 12 to 14 bars.
- Paste operating pressure: 18 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 TYPE OF FINISH

- Finish: Scraped, formwork, rustic, smoothed rustic, smooth floated.
- Application depending on the **"Types of finish"**.
- To see the possible types of finish, see the **"Selection guide"**.
- Bonded tiling (contact us):
On facades:
Natural terracotta tiles on surface areas up to 28 m (DTU 52.2).
For interior walls:
Compatible with all tiling described in DTU 52.2.

PRECAUTIONS FOR USE

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