

# PRB TRADI LISSE

FINE-GRAINED SEMI-LIGHTWEIGHT SINGLE-COAT RENDER



## The **+**s of PRB TRADI LISSE

- +** Weatherproof and decorative facade render for exterior and interior walls.
- +** Suitable for dense and lightweight concrete blocks, aircrete and ultra-lightweight block ( $\geq 550 \text{ kg/m}^3$ )
- +** Ideal for floated finish
- +** Fine-grained to reduce soiling
- +** Microfibre coating



EN 998-1 Type OC2  
CS category II



### PACKAGING

– Paper bag containing 25 kg.

**STORAGE LIFE:** 18 months.

### CONSUMPTION/USE

Consumption varies according to the substrate (nature, flatness, roughness). The minimum thickness at all protruding points on facades must be 10 mm to ensure waterproofing on substrates with high peel resistance (Rt3).

- For decorative coatings, the minimum thickness must be 5 mm at all points.

- **Average consumption : 1,4 kg/m<sup>2</sup>/mm thickness.**

**COLOUR:** Blanc de la Côte.



## AREA OF USE

### USES

- Exterior and interior walls in all types of buildings for residential, tertiary or industrial use.
- Joints (min 8 mm) on brick, stone and ceramic facades.
- French DTU 20.1, DTU 23.1, DTU 26.1.

### SUITABLE SUBSTRATES

- Brick or breeze block masonry (French DTU 20.1) with standard or narrow joints.
- Cellular concrete block masonry with a bulk density of  $\geq 550 \text{ kg/m}^3$  in accordance with EN 772-13.
- Cast-in-place concrete (DTU 23.1).
- Cement and lime-cement render undercoats (DTU 26.1).

- Renovation of old masonry (contact us).
- Other substrates: contact us.

### PROHIBITED SUBSTRATES

- All gypsum-based substrates (plaster).
- Paint, thick paint coatings
- Bare wood.
- Horizontal or sloping surfaces.

### APPLICATION CONDITIONS

- Between 5°C and 35°C.
- Above 30°C, specific 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.
- Special conditions: see “*Substrate Preparation*”.

## TECHNICAL CHARACTERISTICS

### INGREDIENTS

- Binders (white cement, natural hydraulic lime, high-calcium lime).
- Fillers, sand and quartz aggregates.
- Microfibres
- Water retention agents, setting agents.
- Water-repellent agents, lightfast mineral pigments.

### PRODUCTS

**POWDER:**  
• Max. grain size: 1.25 mm

### PASTE:

- Water retention: 86 to 94%
- pH (alkaline): 12.5  $\pm$  0.5

### PERFORMANCE ONCE CURED:

- Density: 1.2 to 1.6 t/m<sup>3</sup>
- Elastic modulus: < 5000 MPa
- Flexural strength: < 2 MPa

### COATING PERFORMANCE IN ACCORDANCE WITH EN 998-1 ONE-COAT MORTAR (OC):

- Water permeability after freezing:  $\leq 1 \text{ cm}^3/\text{cm}^2$
- Water vapour permeability:  $\mu < 20$
- Thermal conductivity ( $\lambda$ , 10 sec): 0.49 W/mK (listed value)
- Durability/adhesion after freezing/Rupt:  $\geq 0,2 \text{ N/mm}^2$  A, B or C
- Compressive strength: CSII (1.5 to 5 N/mm<sup>2</sup>)
- Wc2 water absorption: Capillarity  $\leq 0,20 \text{ kg/m}^2 \cdot \text{min}^{0,5}$
- Reaction to fire (non-combustible): A1 (M0)

### UTILISATION

- Mixing ratio: 18 to 22%
- Mixing time: 3 to 7 min
- Workable life: 60 min max.
- Water protection time: 4 to 24 hours
- Time between coats: 1 to 72 hours
- Maximum thickness per coat: 20 mm
- Total maximum thickness: 30 mm

**NB:** These values are estimates derived from 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

### SUBSTRATE PREPARATION

- Substrates must be clean, dust-free, stable and repaired beforehand where major chips or spalls are found.
- Wet the substrate at least 1/2 hr before applying the coating. Repeat the operation as work progresses. The substrate must be dry before the coating is applied.
- See “*Substrate Preparation*”, and “*Utilisation of single-coat renders according to the condition of the substrate*”.
- For old building renovation: contact us

### PREPARING THE MORTAR

#### Mortar pumps/sprayers

- For every 25 kg bag, mix PRB TRADI LISSE with 4.5 to 5.5 l of clean water for 5 min.
- 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 SETUP

#### Mortar pump

- Pressure (calibrated with water): 12 to 14 bar
- Operating pressure (mix): 16 to 24 bar
- Output: 12 to 18 l/min
- Spray nozzles (min.  $\phi$ ): 12 mm

#### Spray guns

- Air pressure: 6 to 8 bar

#### Manual application

- With a very plastic consistency, the product can be applied with a trowel in slightly overlapping movements.
- The base layer is levelled by smoothing the render with a straight edge.

### APPLICATION AND TYPES OF FINISH

- Finish: Trowelled (smooth), floated (sponged, fine, fine scraped)
- Smooth, compact finishes: smooth trowelled, floated, polystyrene floated. Apply in two layers (fresh on fresh) i.e. on a firm base coat.

### PRECAUTIONS FOR USE

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