





# PRB SUPERBRUT

SEMI-LIGHTWEIGHT FINE GRAINED SINGLE-COAT RENDER



Also available in base coat (grey)

## The PRB SUPERBRUT

-  Waterproofing and decoration of outside walls Rt1, Rt2 and Rt3 type (see conditions) and interior walls
-  All types of finish (fine scratched, floated, flattened, and sprayed...)
-  Can be buried (see conditions)
-  20 kg bag



EN 998-1 Type OC2  
CS II W2 class



## AREA OF USE

### USE

- Waterproofing render on: 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

- (See selection guide)
- Poured concrete.
  - Breeze block or brick masonry built using traditional or thin joints.
  - Cement or mixed cement render under-coats.
  - Old masonry and other substrates: please contact us.
  - Cellular concrete masonry of a density  $\geq 550 \text{ kg/m}^3$ .
  - On individual houses and small apartment building walls, except for inhabited areas.
  - On the basement of cat III individual family homes, as defined in DTU 20-1, SUPERBRUT render is applied to the

### PACKAGING

- 20 kg paper bag.
- 1.6 t pallet, i.e. 80 20 kg bags.

### Grey base coat colour:

- 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 facades must be 10 mm to guarantee the waterproofing function on RT1, RT2 and RT3 substrates.

**- Minimum thickness of 10 mm: 14.5 kg/m<sup>2</sup>.**

Concrete substrate and render under-coat:

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

**- Minimum finished thickness of 5 mm: 7.5 kg/m<sup>2</sup>**

**- Maximum finished thickness of 15 mm: 22 kg/m<sup>2</sup>**

**COLOUR:** 100 PRB and Sun + colours.



## TECHNICAL SPECIFICATIONS

### COMPOSITION

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

### PRODUCTS

#### POWDER:

- Max. grading: 2 mm

#### PASTE:

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

### RENDER PERFORMANCE

#### WHEN HARD:

- Density: 1.2 to 1.6 t/m<sup>3</sup>
- Modulus of elasticity: < 5000 MPa
- Bending strength: 1 to 2.5 MPa

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

- Compressive strength: CS II (1.5 to 5 N/mm<sup>2</sup>)
- Water permeability after freezing:  $\leq 1 \text{ cm}^3/\text{cm}^2$
- Permeability to water vapour:  $\mu < 20$
- Thermal conductivity ( $\lambda$ , 10, dry): 0.54 W/mK (tabulated value)

- Durability/adhesion after freezing/Rupt:  $\geq 0,2 \text{ N/mm}^2$  A or B or C
- W2 water absorption: C  $\leq 0,20 \text{ kg/m}^2 \cdot \text{min}^{0,5}$
- Fire behaviour (non-combustible): A1 (M0)

### APPLICATION

- Mixing rate: 23 to 27 %
- 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: 4 to 72 h
- Max. thickness per layer: 20 mm
- Max. applied thickness: 30 mm
- Minimum thickness (waterproofing): 10 mm

### 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.

**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, dust-free, stable, and refilled before application.
- Water the substrates 1/2 hour before application and allow to dry (matt appearance) before applying the render.
- 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 SUPERBRUT with 4.6 to 5.4 l of clean water per 20 kg bag (or 5.75 to 6.25 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.

### SPRAYING 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.  $\emptyset$ ): 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

- Apply the render in 2 applications:
  - 1<sup>st</sup> application: 8 to 10 mm,
  - 2<sup>nd</sup> application 5 to 10 mm thick depending on the finish.
- Finish: Fine scraped, lifted, rustic, smoothed rustic, floated, rubbed.
- Application depending on the **"Types of finish"**.
- To see the possible types of finish, see the **"Selection guide"**.

### PRECAUTIONS FOR USE

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

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