# PRB SUPERBRUT



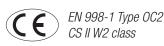
Also available in base coat (grey)

### SEMI-LIGHTWEIGHT FINE GRAINED SINGLE-COAT RENDER

### 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







### **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/m².

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: Maximum finished thickness of 15 mm: 22 kg/m²

COLOUR: 100 PRB and Sun + colours.



### **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-
- Old masonry and other substrates: please
- Cellular concrete masonry of a density ≥ 550 kg/m<sup>3</sup>.
- 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

## in-ground exterior face to a maximum depth of 0.60 m. It must be tightened and finished smoothed or floated and be at least 15 mm thick. A 40 to 60 cm wide reinforcing strip of resistant alkali glass will be rolled into 1st coat or the 1st application at the damp course level to reduce the risk

of cracking. Create a horizontal damp course in the render at 15 cm from the finished ground level using the edge of a trowel, then fill it using a bead of 1st category SNJF certified sealant.

The in-ground part only concerns category 3 walls as per DTU 20.1.

### **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.

### **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 ± 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/mm²)
- Water permeability after freezing: < 1 cm<sup>3</sup>/cm<sup>2</sup>
- Permeability to water vapour:  $\mu$  < 20
- Thermal conductivity (λ 10, dry): 0.54 W/mK (tabulated value)

- Durability/adhesion after freezing/Rupt; ≥ 0,2 N/mm<sup>2</sup> A or B or C
- W2 water absorption: C ≤ 0.20 kg/m<sup>2</sup>.min<sup>0.5</sup>
- 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

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 I 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 I/min
- Spray nozzles (min. Ø): 12 mm

### Spray pots

· Air pressure: 6 to 8 bars

- . 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:
- 1st 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
- 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

Technical Data Sheet - April 23, 2019