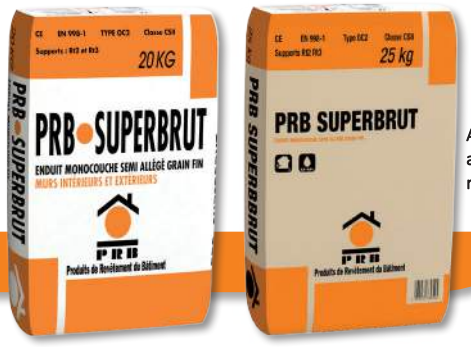
PRB SUPERBRUT



Also available as a grey basecoat render

SEMI-LIGHTWEIGHT FINE GRAINED SINGLE-COAT RENDER

THE PRB SUPERBRUT

- Weatherproof, breathable and decorative through colour render for external and internal masonry walls
- Suitable for all types of finish (fine scraped, floated, roughcast, rustic and spray textured)
- Suitable for below DPC applications (subject to conditions)
- 20 kg bag

BBA

CE *EN 998-1 Type OC2 CS II W2 class*

QB QUALITY FOR BUILDING N° 49 M 62

*EMISSIONS IN INTERIOR AIR A+ A+ A B C

PACKAGING
PRB SUPERBRUT:
- 20 kg paper bag.
- 1.05 t pallet, i.e. 49no 20 kg bags.

PRB SUPERBRUT BASECOAT RENDER:
- 25 kg paper bag.
- 0.98 t pallet, i.e. 42no 25 kg bags.

STORAGE: 18 months.

CONSUMPTION

Consumption rates provided are for a scraped render finish and will vary according to the substrate conditions (type, flatness, roughness). Consumption will vary for other finishes.

- Minimum thickness of 10 mm: 1.35m² per 20 kg bag - 14.5 kg/m²
- Minimum thickness of 12 mm: 1.1m² per 20 kg bag - 17.5 kg/m²
- Minimum thickness of 15 mm: 0.9m² per 20 kg bag - 20 kg/m²

The minimum thickness applied will vary depending upon application finish and weather rating zone but must be applied at the stated thickness to guarantee the weatherproofing function.

PRB Sun+

COLOURS: 100 PRB and Sun+ colours.

AREA OF USE

USE

- A weatherproofing render for: exterior or interior walls on all types of housing, office or industrial buildings.
- For pointing (8 mm min.) for brick, stone, ceramic facades.
- For the renovation of existing facades.

AUTHORISED SUBSTRATES

- Concrete.
- Concrete block or brick
- Clay insulating blocks.
- Existing sound render.
- Existing masonry and other substrates: please contact PRB.
- Lightweight aircrete concrete blockwork of a density > 550 kg/m³.
- Some substrates may require a suction control coat.
- For below DPC applications to concrete & concrete block walls comprising of a cavity construction to private homes or small apartment buildings, **PRB SUPERBRUT** render can be applied at a depth of 0.60 m max. when enhanced with **PRB LATEX.** It must be given a smooth or floated finish and be at least 15 mm thick. Embed a reinforcing strip of **PRB MONOMESH** or **PRB AVE MESH** throughout the application to reduce the risk of cracking.
For full application guidance for a particular substrate request a specification from PRB.

PROHIBITED SUBSTRATES

- Directly on wood.
- Horizontal or pitched surfaces (except arches and undersides of lintels etc).
- All Gypsum-based substrates (Plaster)

APPLICATION CONDITIONS

- Between 5°C and 35°C
- Do not apply on substrates that are frozen or thawing, hot or exposed to full sunlight, saturated or exposed to driving rain or strong drying winds (hot or not).
- Avoid applying dark colours at temperatures < 8°C and in very damp conditions (increased risk of bloom).
- NB: Floated finishes generate shade differences and micro-cracking that can be detrimental to the appearance or aesthetics.

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.

TECHNICAL CHARACTERISTICS

MIXED PRODUCT:
- Max. grading: 2 mm

MIXED PRODUCT:
- Water retention: > 94 %
- pH (alkaline): 12.5 ± 0.5

RENDER PERFORMANCE WHEN HARD:
- Density: 1.2 to 1.6 t/m^3
- Modulus of elasticity: < 5000 MPa
- Bending strength: 1 to 2.5 MPa

RENDER PERFORMANCE AS PER EN 998-1 SINGLE COAT MORTAR
- Compressive strength: CS II (1.5 to 5 N/mm²)
- Water permeability after freezing: ≤ 1 cm³/cm²
- Permeability to water vapour: μ < 20
- Thermal conductivity (λ 10, dry): 0.54 W/mK (tabulated value)
- Durability/adhesion after freezing/Rupt: ≥ 0.2 N/mm2 A or B or C
- DW2 water absorption: C ≤ 0.20 kg/m2.min0.5
- Fire behaviour (non-combustible): A1

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

- Mixing rate: 4.6 - 5.4 L clean water / 20kg bag.
- Mixing time: 3 to 7 min.
- Batch life time: 60 min. max.
- Curing 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 (weatherproofing): 10 mm

REFERENCE DOCUMENTS

BS 5628-3 Code of Practice for the use of masonry.
BS EN 13914-1 Code of Practice for external rendering.
BS 8000 Workmanship on building sites.

APPLICATION

SUBSTRATE PREPARATION

- Substrates must be sound, clean, dust-free, stable, and free from anything that may interfere with the adhesion of the material being applied.
- Wet but do not saturate the substrates 1/2 hour before application to leave a dampened surface before applying the render.
- Some substrates may benefit from a suction control bonding coat and / or **PRB MONOMESH** or **PRB AVE MESH.** For full application guidance, request a specification from PRB.

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 must 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
- MIxed product operating pressure: 18 to 24 bars
- Lance output flow rate: 14 to 18 L/m
- 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 ruled level using a serrated Darby or straight edge.

APPLICATION AND TYPE OF FINISH

- Apply the render in 2 applications:
  - 1st application: 8 to 10 mm,
  - 2nd application 7 to 10 mm thick depending on the finish and finished thickness.
- Finish: Fine scraped, roughcast, rustic, floated, sponged, wood float.
- Embed as a minimum 500 x 300 mm **PRB MONOMESH** or **PRB AVE MESH** stress patch diagonally across the corner of the openings to provide crack resistance.

PRECAUTIONS FOR USE

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

Technical Data Sheet - October 2022