PRB SC 150

SANITISING BASECOAT RENDER

The + s of PRB SC 150

- Sanitises old interior and exterior masonry containing saltpetre and/or moisture
- Can be covered or left bare

PACKAGING
– Paper bag containing 25kg.

STORAGE LIFE: 18 months.

CONSUMPTION/USE
Consumption varies according to the substrate (nature, flatness, roughness).

PRB SC 150 is applied in thicknesses of **20 to 30 mm** in **1 or 2 coats,** and its consumption is **20 to 30 kg/m²** of **10 kg/cm** of thickness.

COLOUR: Grey

CE *EN 998-1 Type R*
CS category II

UK CA

EMISSIONS DANS L'AIR INTÉRIEUR A+ A+ A B C

APPLICATIONS

USES
- Designed for treating exterior or interior walls on all types of constructions, to reduce capillary rise and migrating salts.
- Basements, cellars, foundations, retaining walls, garages, utility rooms, etc.
- French DTU 26.1, chap. 11.

SUITABLE SUBSTRATES
On substrates defined in chapter 11 of the French DTU 26.1, such as:
- Old brick or rubble masonry, with poor strength/quality mortars (lime mortar, lime cement mortar, etc.).
- Top layers of plaster must be protected in accordance with the standards and DTUs in force, as well as with the industry practices and standards.
- For other substrates, please contact us before applying.

UNSUITABLE SUBSTRATES
- Raw earth, adobe or cob walls.
- Ashlar masonry with thin joints.
- Underground masonry.
- Aerated concrete blocks.
- Large-area concretes.
- Structures with cracks or infiltrating cracks that have not been properly repaired beforehand.
- Horizontal or sloping surfaces.

COMPATIBLE SURFACING MATERIALS
- PRB BELLE ÉPOQUE Finition.
- FINICHAUX Single-layer restoration plaster.
- Decorative coatings: MANUPRO, TYROLIEN FACADE RENDER…

APPLICATION CONDITIONS
- Between 5°C and 35°C.
- If the temperature exceeds 30°C, special 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.
- Protect window/door frames and glazing before applying.

TECHNICAL CHARACTERISTICS

INGREDIENTS
- Air-slaked lime - CL 90 (calcium lime or fat lime) & hydraulic limes - NHL 3.5.
- Alluvial quartz sands from quarries, rolled and classified.
- Natural mineral pigments and specific additives.

PRODUCTS
POWDER:
- Max. grain size: 3.15 mm

PASTE:
- Water retention: 91 to 97%
- pH (alkaline): 12.5 ± 0.5

PERFORMANCE WHEN HARDENED:
- Density: 1 to 1.4 t/m³
- Modulus of elasticity (Mpa): <5,000 MPa
- Flexural strength (Mpa): 1.5 MPa

PERFORMANCE ACCORDING TO EN 998-1 SANITATION RENDERING MORTAR TYPE R - CS CATEGORY II:
- Compressive strength: CS II (1.5 to 5 N/mm²)
- Water vapour permeability: μ ≤ 15
- Thermal Conductivity (λ, 10, dry): 0.30 W/mK (established value)
- Durability/adhesion after freezing/Rupture: ≥ 0.2 N/mm² A, B or C
- Water absorption (after 24 hours): Capillarity ≥ 0.3 g/dm².min$^{0.5}$
- Reaction to fire (non-combustible): A1 (M0)
- Durability: NP

APPLICATION
- Quantity of water needed: 22 to 25%
- Mixing time (minutes): 5 to 7 mins
- Mixture handling time: 90 mins max.
- Setting time - before contact with water: 4 to 8 hrs
- Setting time - between layers: 24 to 72 hrs
- Maximum thickness per layer: 30 mm
- Minimum working thickness: 20 mm

NB: These values are estimates based on 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

PREPARING THE SURFACE
- For information on preparing the surface, please refer to ***"Application Advice".***

PREPARING THE MORTAR
Mortar pumps/sprayers (batch mixers)
- For every 25kg bag, mix **PRB SC 150** with 5.5 to 6.25 l of clean water for 5 to 7 mins.
- The water ratio and mixing time should be kept as constant as possible to ensure an even consistency.

PUMP/SPRAYER SETTINGS
Grouting pump
- Set the water pressure to: 12 to 14 bars
- Paste operating pressure: 18 to 24 bars
- Sprayer flow rate: 14 to 18 L/min
- Spray nozzles (min. Ø): 14 mm

Spray guns
- Air pressure: 6 to 8 bars

Manual
- Can be applied in small strokes with a plastic mortar trowel, overlapping slightly.
- Level the base layer by smoothing the render with a straight edge.

Waiting time before covering:
- At least 7 days.

PREPARING THE SURFACE & FINISHES
The following should be removed from the entire surface to be treated:
- old hydraulic renders,
- paints, waterproofing paints, surface water repellents & thick paint coatings,
- micro-organisms such as mould, moss, lichen, roots, as well as plants with roots penetrating the walls (e.g. ivy).

Preparing the surface before applying PRB SC 150:
- Mechanically weak walls (bricks, soft stones...):
- replace missing stones with **PRB SC 150,**
- scrape out the joints to a depth of 2 to 4 cm,
- secure wire mesh (20 x 30 mm - treated against corrosion) using nails or galvanised wall plugs of a length adapted to the surface.

Walls made of hard materials with low porosity (e.g. hard stones):
- replace missing stones with **PRB SC 150,**
- apply a roughcast layer using **PRB SC 150** mixed with 1 litre of bonding resin,
- secure wire mesh (20 x 30 mm - treated against corrosion) using nails or galvanised wall plugs of a length adapted to the surface.

APPLICATION AND TYPES OF FINISH
Flattening or levelling.
- Apply a first levelling coat (+ 5 mm) to the bare masonry, with or without a roughcast layer of **PRB SC 150** and bonding resin, depending on the porosity of the stone.
- Smooth out this first layer with a straight edge and wait for it to harden (approx. 24hrs).

Intermediate coat or rendering layer.
- Apply the second coat - minimum thickness: 15 to 20 mm.
- Level the surface with a straight edge, without smoothing, to make it easier for the subsequent coat to adhere (7 days drying time).
- **PRB SC 150** can be left bare, in which case the surface should be floated with a sponge float.

FINISH
PRB SC 150 can be left bare or covered with:
- single-layer coatings (FINICHAUX & ALG),
- facing renders (BELLE ÉPOQUE FINITION).

For all other finishes, please contact us.

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

Technical Data Sheet - 9 June 2022