

PRB SC 150

LIME RICH RENOVATION BASECOAT RENDER

Benefits of the PRB SC 150

-  Particularly suitable for old masonry substrates suffering from damp and saltpetre
-  Can be coated or left uncovered



KEY PRODUCT INFORMATION

- 25 kg paper bag.
- 1.44 t pallet, i.e. 48no 30 kg bags.

STORAGE: 18 months

CONSUMPTION/USE

Consumption varies according to the thickness applied and substrate condition.

PRB SC 150 is applied at a thickness of 20 to 30 mm in 1 or 2 applications.

Consumption is 10 kg/m² per 10 mm of thickness.

- At a thickness of 20 mm: 1.25 m² per 25 kg bag – 20 kg/m²
- At a thickness of 30 mm: 0.8 m² per 25 kg bag – 30 kg/m²

WATER CONTENT: 5.5 – 6.25 L

COLOUR: Grey



EN 998-1 Type R
Class CS II Wc1



WHERE TO USE?

- Designed to treat external or internal walls on all types of construction to assist with rising damp and migrating salts.
- Basements, cellars, foundations, retaining walls, garages, plant rooms, etc.

SUITABLE SUBSTRATES

- ✓ Existing stone or brick masonry with low strength pointing e.g. lime mortar, cement-lime mortar.
- ✓ Other substrates, contact PRB.

PROHIBITED SUBSTRATES

- ✗ Earth constructions, loam, cob, adobe, wicket etc type walls.
- ✗ Quarry stone masonry with thin joints.
- ✗ Submersed masonry.
- ✗ Structures that have cracks that have not received a suitable repair.
- ✗ Horizontal or sloping surfaces (except arches and undersides of lintels etc).

SCAN THE QR CODE BELOW
TO FIND THE MATERIAL
QUANTITY NEEDED



ASSOCIATED COATINGS

- **PRB BELLE EPOQUE SOUS ENDUIT, PRB BELLE ÉPOQUE FINITION.**
- **PRB FINICHAUX** single-coat renovation render.
- Decorative renders: **PRB ALG, PRB SUPERBRUT** etc
- A two pass paint or waterproofing finish or decorative thin coat acrylic or thin coat mineral render systems e.g. **PRB CREPIXATE M..**

APPLICATION CONDITIONS

- Between 5°C and 30°C.
- Do not apply on substrates that are frozen or thawing, hot or exposed to full sunlight, soaked or exposed to driving rain or strong drying winds (hot or not).
- Take extra precautions when applying in hot weather and strong winds in order to avoid premature drying out.

SUBSTRATE PREPARATION

- Substrates must be sound clean, free of dust, stable, repaired and free from anything that may interfere with the adhesion of the material being applied.
- During hot weather and/or strong winds, to prevent the risk of render dehydration, the substrate must be soaked but not saturated approx 1/2 hour before application.
- Some substrates may require a suction control bonding coat. For full application guidance, request a specification from PRB.

Substrate*

Select a substrate to view how the system should be applied.

Medium Density Block (Old)

Square Metre*

Enter a value below and click calculate to view required products and options for your chosen substrate.

100

Calculate

Material calculations on the go.

Calculate the exact materials you need to get the job done. Wherever you are.

Product	Quantity	Coverage
ACCOSONE PRB (20)	3	20m2
N/A	N/A	N/A
PRB100	1	10m2

TECHNICAL CHARACTERISTICS

COMPOSITION

- CL 90 air-slaked limes (calcic lime or fat lime) hydraulic lime NHL 3.5.
- Rolled and calibrated quarried quartz alluvial sands.
- Natural mineral pigments, specific additives.

MIXING, APPLICATION & CURING OVERVIEW

- Mixing rate: 22 to 25 %
- Mixing time (minutes): 5 to 7 mins.
- Batch life time: 1 hr 30 max
- Curing time: 4 to 8 hrs
- Time between applications: 24 to 72 hrs
- Max. thickness per layer: 30 mm
- Minimum operating thickness: 20 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.

PRODUCT

POWDER:

- Max. grading: 2.15 mm

MIXED PRODUCT:

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

RENDER PERFORMANCE WHEN HARD:

- Density: 1 to 1.4 t/m³
- Modulus of elasticity (MPa): < 5000 MPa
- Bending strength (Mpa): 1.5 MPa

RENDER PERFORMANCE AS PER EN 998-1 REHABILITATION

RENDER R CS II CATEGORY:

- Compressive strength: CS II (1.5 to 5 N/mm²)
- Permeability to water vapour: $\mu \leq 15$
- Thermal conductivity (λ 10, dry): 0.30 W/m²K (tabulated value)
- Durability / adherence after freezing/Rupt: ≥ 0.2 N/mm² A or B or C
- Water absorption (after 24 hours): $C \geq 0.3$ g/dm². min0.5
- Fire behaviour: A1 (non-combustible)

APPLICATION

Render spraying pumps – cement mixer

-  Mix **PRB SC 150** with 5.5 to 6.25 L of clean water per 25 kg bag for 5 to 7 minutes.
- The water content and mixing time must be as consistent as possible to guarantee the evenness of the mix.

Render pump

- Water pressure setting: 12 to 14 bars.
- Mixed product operating pressure: 18 to 24 bars.
- Lance output flow rate: 14 to 18 L/min.
- Spray nozzles (min. Ø): 14 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 straight edge or Derby.

Time before backfilling when below ground

- 7 days minimum.

3. SUBSTRATE PREPARATION AND FINISH

Remove the following from all surfaces to be treated:

- Existing poorly adhered or weak, fragile renders.
- Paint, surface water repellents, thin coat finishes.
- Any micro-organisms such as algae, mould moss, lichen, climbing vine, ivy, tree roots etc including plant roots that have penetrated the walls.

Substrate preparation before applying a basecoat of PRB SC 150:

- Make good any areas of missing masonry using the **PRB SC 150** or for larger areas bed in replacement stone or brick using the **PRB SC 150** as a mortar.
- On weak mortar substrates, rake out the pointing to a depth of 20 to 40 mm.
- Make good any cracks and when required stabilise first using a retrofit helical bed joint reinforcement solution.
- Apply a key/bonding coat using **PRB SC 150** to which 1 litre of **PRB LATEX FAÇADE** has been exchanged for 1 litre of the mixing water for the **PRB SC 150**. Mix the **PRB LATEX FAÇADE** with the water first before adding in the powder.

4. APPLICATION AND FINISH TYPE

Surface levelling.

- After the surface preparation works have been carried out, spray a minimum 10 mm levelling coat to the substrate in one or two layers.
- Level and rule this first application using a serrated straight edge or Derby.

Finishing layer of basecoat.

- Apply the second layer to a thickness of at least 15 to 20 mm.
- Level and rule using a serrated straight edge or Derby, ready to receive the topcoat. Though a thick mineral render top coat can be applied as soon as the basecoat has dried, allow at least 7 days drying time before applying a thin coat render system.
- **PRB SC 150** can remain uncoated, in which case the surface should be floated using a stainless trowel, spatula or sponge.

5. TOPCOAT FINISH

PRB SC 150 can receive a range of topcoat finishes using:

- One-coat renders e.g. **PRB SUPERBRUT**, **PRB OZE**, **PRB FINICHAUX**, **PRB ALG** etc.
- **PRB BELLE EPOQUE FINITION.**
- A two coat paint or waterproofing finish or decorative thin coat acrylic or mineral render system.

For all other finishes, please contact PRB.

HEALTH AND SAFETY

- Contains lime.
- May produce an allergic reaction. Harmful if inhaled, irritating to eyes and skin. Wear suitable protective clothing, gloves and eye/face protection.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical help. After contact with skin, wash immediately with plenty of soap and water.
- Keep out of the reach of children.
- For further information, please read the Material Safety Data Sheet for this product.