

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.
- 1.2 t euro pallet, i.e. 48no 25 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 ÉPOQUE 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 CRÉPIXATE 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.

Material calculations on the go.

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

Product	Quantity	Coverage
ACCOSONE PIRE (20)	3	20m2
N/A	N/A	N/A
ANESQ	2	

TECHNICAL

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 estimates based upon standard laboratory or site testing. The preparation conditions, conditions of use, substrate type, site conditions etc. can significantly alter these values.

PRODUCT CHARACTERISTICS

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. min 0.5
- 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, type 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 ÉPOQUE 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.