

PRB CLASSIC TAL

SEMI-DENSE FINE GRAIN SINGLE-COAT / BASE COAT RENDER

The benefits of the PRB CLASSIC TAL

-  Weatherproof and breathable grey render for external and internal walls
-  Sponge floated smooth and fine finish
-  Compatible with organic coverings (paint, thick paint coverings & thin coat render finishes), hydraulic and mineral decorative renders
-  Can be covered with a tile finish
-  Can be used for below DPC applications (Subject to conditions)



KEY PRODUCT INFORMATION

- 25 kg paper bag.
- 1.05 t euro pallet, i.e. 42no 25 kg bags.
- 1.6 t 1m x 1m four way pallet, i.e. 64no 25 kg bags.

CONSUMPTION

Consumption varies according to the thickness applied and substrate (type, flatness, roughness). As a basecoat to receive a thin coat coat render system or paint finish, the minimum thickness at all protruding points on external facade substrates must be 15 mm to guarantee the weatherproofing function. Min 5 - 10 mm internally.

Minimum finished thickness of 5 mm: 3.33m² per 25 kg bag - 7.5 kg/m²

Minimum finished thickness of 10 mm: 1.66m² per 25 kg bag - 15 kg/m²

Minimum finished thickness of 15 mm: 1.1m² per 25 kg bag - 22.5kg /m²

COLOUR: Grey

STORAGE: 18 months



EN 998-1 Type OC3
Class. CS III W2



USAGE GUIDE

WHERE TO USE?

- A weatherproofing render for exterior or interior walls on all types of housing, office or industrial buildings with a suitable dense substrate.
- For pointing (8 mm min.) for brick, stone, ceramic tiled facades.
- For other applications contact PRB.
- For below DPC applications to concrete & concrete block walls comprising of a cavity construction, **PRB CLASSIC TAL** can be applied at a depth of 0.60 m max. when enhanced with **PRB LATEX FAÇADE**. It must be given a smooth or floated finish and be at least 15 mm thick.

SUITABLE SUBSTRATES

- ✓ Concrete*.
- ✓ Dense concrete blockwork, engineering bricks*.
- ✓ Strong hard cement renders*.
- ✓ Existing masonry and other substrates (contact us).

*These substrates will generally require a suction control coat of **PRB ACCROFIX PÂTE**. If unsure contact the PRB Technical Department.

PROHIBITED SUBSTRATES

- ✗ All Gypsum-based substrates (Plaster).
- ✗ Directly on wood.
- ✗ Horizontal and sloping surfaces (except arches and undersides of lintels).
- ✗ Soft substrates – The render is likely to crack.

APPLICATION CONDITIONS

- Between 5°C and 30°C.
- Do not apply on substrates that are frozen or thawing, hot or exposed to full sunlight, saturated or exposed to driving rain and strong drying winds (hot or not).

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.

TECHNICAL SPECIFICATIONS

COMPOSITION

- Binders (cement, natural hydraulic lime, calcium lime).
- Fillers, sand and quartz aggregates.
- Water retention agents, setting regulators.
- Integral waterproofing.

MIXING, APPLICATION & CURING OVERVIEW

- Mixing rate: 17 to 19 %
- Mixing time: 3 to 7 mins
- Batch life time: 60 min. max.
- Curing time: 4 to 6 hrs
- Time between applications: 1 to 48 hrs
- Max. thickness per layer: 20 mm
- Max. total thickness: 30 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: ≤ 1.6 mm

MIXED PRODUCT:

- Water retention: 86 to 94 %
- pH (alkaline): 12.5 ± 0.5

RENDER PERFORMANCE WHEN HARD:

- Density: 1.4 to 1.8 t/m³
- Modulus of elasticity: 7,500 to 14,000 MPa
- Bending strength: 2 to 3.5 MPa

RENDER PERFORMANCE AS PER EN 998-1 OC SINGLE COAT MORTAR:

- Compressive strength:
- CS III (3.5 to 7.5 N/mm²)
- Water permeability after freezing: ≤ 1 cm³/cm²
- Permeability to water vapour: $\mu < 35$
- Thermal conductivity (λ 10, dry):
- 0.76 W/m²K (tabulated value)
- Durability/adhesion after freezing/
- Rupt: ≥ 0.2 N/mm² A or B or C
- W2 water absorption: $C \leq 0.20$ kg/m².min0,5
- Fire behaviour: A1 (non-combustible)

APPLICATION

1. SUBSTRATE PREPARATION

- Substrates must be, clean, free of dust, stable, with all surface defects repaired beforehand.
- During hot weather and /or dry or strong winds, to prevent the risk of render dehydration, the render substrate must be soaked the day before application and wet again if necessary before application.
- Some substrates may require a suction control bonding coat of **PRB ACCROFIX PÂTE**. For full application guidance, request a specification from PRB.

2. MORTAR PREPARATION

Render spraying pumps – Cement mixers



Mix **PRB CLASSIC TAL** with 4.25 to 4.75 L of clean water per 25 kg bag for 5 minutes.

- The water dosage and mixing time must be as consistent as possible.

3. SPRAY EQUIPMENT SETTINGS

Render pump

- Water pressure setting: 12 to 14 bars
- Mixed product operating pressure: 16 to 24 bars
- Lance output flow rate: 14 to 18 L/min
- 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 floated using a straight edge or serrated trowel or Derby.

4. RENDER BEAD ADHESION

- Adhere the render beads on dabs of **PRB CLASSIC TAL** at maximum 300mm centres & level and line to suit or use the **PRB RENDER BEAD ADHESIVE**.

5. APPLICATION AND FINISH

Apply the **PRB CLASSIC TAL** in a one or two-pass / coat operation to the required 12, 15 or 20 mm finished thickness or as a basecoat to receive a topcoat finish, to a maximum thickness of 30mm. Beyond this thickness contact PRB. As part of the application as a minimum, embed 500 x 300 mm diagonal stress patches using **PRB ORANGE MESH** or **PRB AVE MESH** across the corner of the openings to provide crack resistance. In addition, full mesh may also be required.

FLOATED FINISH FOR A DECORATIVE FINISH, PAINT OR THIN COAT FINISH

Trowel, Sponge or Bagged Finish – Please note if the finish is over worked, these application techniques may cause surface micro cracking that can be detrimental to the appearance or aesthetics if the render is left uncoated.

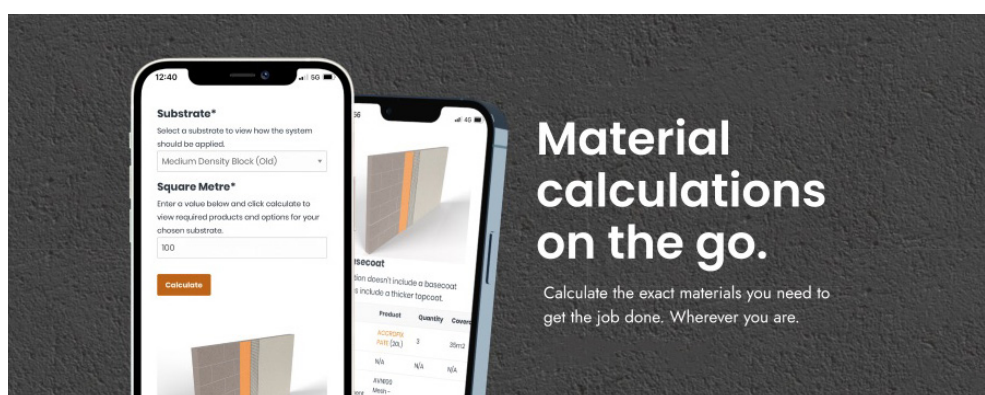
- A trowel finish is achieved by skimming the level and ruled surface with a wooden or plastic float to produce a smooth dense surface to the desired effect.
- A sponge finish is achieved by skimming the level and ruled surface with a sponge float to produce a slightly sanded surface to the desired effect.
- A bagged finish is achieved by rubbing a ball of damp hessian over the surface which produces patterns depending on the style of rubbing.
- If left uncoated, care must be taken not to let water run down the wall during the curing period, spoiling the finish by washing the cement out of the render.

6. TOPCOAT FINISHES

- Apply a topcoat decorative finish of one coat cement based render e.g. **PRB SUPERBRUT** or lime render e.g. **PRB BELLE ÉPOQUE FINITION**, or a two pass paint e.g. **PRB COLOR ACRYL**, **PRB COLOR SILOCRYL**, **PRB COLOR SILOXANE** or a weatherproofing decorative thin coat render e.g. **PRB RÉVOMUR M**, **PRB CRÉPISIX M**, **PRB CRÉPOXANE F** or **M** or thin coat mineral render system e.g. **PRB CRÉPIXATE M** with the designated primer.

HEALTH AND SAFETY

- Contains cement and 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.



SCAN THE QR CODE BELOW
TO FIND THE MATERIAL
QUANTITY NEEDED



Technical sheet - June 2026

The only purpose of this technical data sheet is to inform customers about the product and its specific uses. The information it contains is based on current knowledge and experience. The end user must carry out a representative test to ensure the product is suitable for their specific application and no responsibility can be accepted, or any warranty given by our Representatives, Agents or Distributors. Our general terms and conditions of sale shall prevail, and the end user should check to ensure this document has not been replaced by a more updated version.

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