

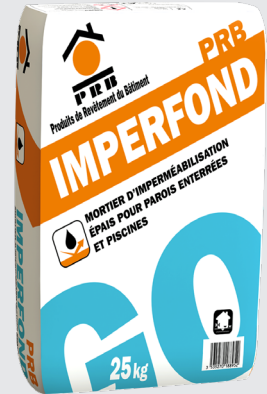
PRB IMPERFOND

THICK WATERPROOFING MORTAR FOR BASEMENTS, BELOW GROUND, PONDS AND SWIMMING POOLS

Benefits of the PRB IMPERFOND



- + Waterproofing of walls and floors
- + Thickness from 8 to 20 mm
- + Can withstand aggressive waters in industrial and agricultural environments
- + Manual or spray application
- + Can remain uncoated below ground



KEY PRODUCT INFORMATION

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

STORAGE: 12 months

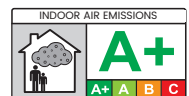
COLOUR: Grey and White

CONSUMPTION

Consumption rates provided are for flat and level surfaces and will vary according to the substrate conditions.

- **As a key/bonding coat:** 2.7 – 4.6 m² per 25kg bag – 5.4 to 9 kg/m² for a thickness of 3 to 5 mm.
- **As a thick waterproofing mortar:** 0.9 – 1.3 m² per 25 kg bag – 18 to 27 kg/m² for a finished thickness of 10 to 15 mm.

EN 998-1 Type OC Class CS IV



USAGE GUIDE

WHERE TO USE?

- Waterproofing render on concrete blocks and concrete in private pools, ponds, basements, below ground walls etc.
- On ICF pools but only as part of a PRB specification.
- Render mortar on element masonry.
- Below DPC.
- As a waterproofing basecoat to new and remedial applications.
- As a base coat on old masonry or plaster and lime mortared substrates.
- Creation of slopes before tiling.
- As a floor levelling compound.
- Other uses: Contact the PRB Technical Department.

SUITABLE SUBSTRATES:

- ✓ Swimming pools, ponds: concrete pouring blocks, concrete.
- ✓ Solid or hollow concrete blocks.
- ✓ Cement sub-render.
- ✓ Concrete.
- ✓ Old solid brick masonry.
- ✓ Old stone masonry or masonry that have had render removed.

USAGE GUIDE

RELATED COVERINGS

WATERPROOFING BASECOAT RENDER (> 8 MM)

- Bonded ceramic tile coverings.
- Thin coat finishes.
e.g. **PRB CRÉPIMUR**, **PRB CRÉPIRIB** etc.
- Paint coatings.
- Acid resistant coverings.

ON KEY/BONDING BASECOATS

- PRB lime base and topcoats.
- PRB One-coat renders.

PROHIBITED SUBSTRATES

- ✗ In acid environments without suitable surface protection e.g. containment tanks for storage of acidic pH value products, fermentation tanks, manure pits, dung heaps, etc.

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 or strong winds.

Take extra precautions when applying in hot weather and strong winds in order to avoid premature drying out.

TECHNICAL SPECIFICATIONS

COMPOSITION

- Special hydraulic binders.
- Fillers, quartz sand.
- Water retention agents, setting regulators.
- Integral waterproofing.

PRODUCT

POWDER:

- Max. grading: 3.15 mm

MIXED PRODUCT:

- Density: $1.8 \pm 0.1 \text{ t/m}^3$
- pH (alkaline): 12.5 ± 0.5

RENDER PERFORMANCE WHEN HARD:

- Density: $1.8 \pm 0.05 \text{ t/m}^3$
- Modulus of elasticity: 12,000 to 20,000 MPa

MORTAR PERFORMANCE AS PER EN 998-1.

- OC Single-coat mortar: CS IV category
- Compressive strength: $\geq 6 \text{ MPa}$
- Permeability to water vapour (coef): $\mu \leq 35$
- Thermal conductivity (λ 10, dry): $0.93 \text{ W/m}^2 \text{ K}$ (tabulated value)
- Adherence/Breakage: $\geq 0.2 \text{ N/mm}^2$ A or B or C
- W2 water absorption: $C \leq 0.20 \text{ kg/m}^2 \cdot \text{min}^{0.5}$
- Fire behaviour (non-combustible): A1

PREPARATION

- Mixing rate 14 to 17 %
- Mortar pump setting: 14 bars
- Mixing time: 3 to 5 min.
- Pot life: 60 min. max.
- Setting time: 5 to 8 hrs
- Min and max thickness when used as a separator: 3 to 5 mm
- Waterproofing render: 8 to 20 mm
- Render mortar: 7 to 20 mm
- Damp course or capillary break: 10 to 20 mm

N.B.: These values are standard laboratory or site testing values. The preparation conditions, substrate, and the application of the material used may modify them significantly.

PREPARATION

MORTAR PREPARATION

- 3.5 to 4.25 L of clean water per 25 kg bag.
- Mix to an even, lump free consistency using an electric paddle mixer at slow speed.
- Mix using a cement mixer for 5 min.
- Mix using a mortar pump for 3 to 5 min.

N.B.: Do not re agitate, 'knock-up' or add water when the mortar has started to stiffen.

Water dosage and mixing time must be consistent throughout the application to optimise the waterproofing characteristics of the product and the evenness of the appearance when applied.

SUBSTRATE PREPARATION

- Substrates must be sound, clean, free of dust, stable and free from anything that may interfere with the adhesion of the material being applied.
- Wet but do not saturate the substrates ½ hour before application to leave a dampened surface before applying the render.
- For full application guidance, request a specification from PRB.

CURING TIME BEFORE COVERING

- Bonded tiling: 21 days.
- Paint, Thin coat finishes: 4 to 5 weeks.
- Backfilling: 7 days.

APPLICATION

- Smooth surfaces or substrates with a closed surface texture should not be rendered without applying an appropriate surface preparation bonding coat. This can be achieved by applying over the whole area of the substrate by either a stiff brush or serrated trowel a slurry coat of 2/3 **PRB IMPERFOND** with 1/3 **PRB LATEX FAÇADE** before applying the main coat of **PRB IMPERFOND**.
- For the basecoat, apply a 5 – 6 mm 1st coat of **PRB IMPERFOND** embedded with **PRB ORANGE MESH** or **PRB AVE MESH** throughout with additional mesh to openings, corners, fixtures, e.g. pool lights etc. The mesh must be fully embedded into this layer and should be tight, straight, and free of wrinkles, ripples, or waves. Continue as a wet-on-wet application of the **PRB IMPERFOND** up to a maximum of 20mm. Level the mortar with a wide spatula / Darby and complete the float / sponge smoothed finish and allow to fully dry for a minimum of 21 days before applying a suitable covering system.

SCAN THE QR CODE BELOW
TO FIND THE MATERIAL
QUANTITY NEEDED



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.

Technical sheet – June 2025

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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