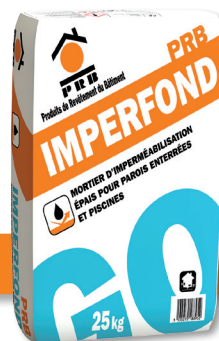


PRB IMPERFOND

THICK WATERPROOFING MORTAR FOR UNDERGROUND WALLS AND SWIMMING POOLS



The **+**s of PRB IMPERFOND

- +** Waterproofing for wall and floor surfaces
- +** Thicknesses from 8 to 20 mm: can be used for levelling and resurfacing
- +** With PMES binders: resistant to aggressive water in industrial and agricultural applications
- +** Manual or spray application
- +** Does not need a protective coating

PACKAGING

– Paper bag containing 25kg.

STORAGE LIFE: 12 months.

CONSUMPTION/USE

Approximately 18 kg/m²/cm:

- **For roughcasting:** 5.4 to 9 kg/m² for a thickness of 3 to 5 mm.
- **For a thick waterproofing mortar:** 18 to 27 kg/m² for a finished thickness of 10 to 15 mm.
- **For inter-layer mortar:** 9 to 14.5 kg/m² for a thickness of 5 to 8 mm.

COLOUR: Grey and White.



EN 998-1 Type OC
CS category IV



APPLICATIONS

USES

- Waterproof coating for cinder blocks and concrete - for ponds, private swimming pools and underground walls.
- Rendering mortar for brickwork and masonry.
- Crack-bridging and sealing.
- Inter-layer roughcasting for masonry where the plaster or render has been removed.
- Roughcasting for different types of old masonry or stone surfaces with plaster and lime mortar.
- For levelling and creating slopes before tiling.

- For other uses, please contact our technical department.
- French DTUs: 13.3, 20.1, 26.1, 26.2, 52.2 & 59.1.

SUITABLE SUBSTRATES (Refer to the French DTU Standards)

- Swimming pools & ponds - cinder blocks and concrete.
- Solid or hollow concrete blocks.
- Cement undercoats.
- Concrete.
- Old solid brick masonry.
- Old stone masonry or masonry where the plaster or render has been removed.

COMPATIBLE SURFACING MATERIALS (TECHNICAL SPECIFICATIONS)

WATERPROOFING UNDERCOAT (> 8 mm)

- Bonded ceramic surfaces.
- Liquid waterproofing materials (resin or mortar).
- Thick paint coatings (CRÉPIMUR or CRÉPIRIB).
- Paints.
- Acid-resistant coatings.

INTER-LAYER ROUGHCASTING

- PRB BELLE ÉPOQUE Undercoat and Finishing.
- PRB Single-layer plaster (according to the nature of the original surface).

UNSUITABLE SUBSTRATES

Acidic environment without suitable surface protection (retention tanks for storage of products with an acid pH, fermentation tanks, slurry pits, manure, etc.).

APPLICATION CONDITIONS

- Between 5°C and 35°C.
- 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.
- Take the necessary precautions when applying Imperfond in hot weather and strong winds to avoid premature drying.

TECHNICAL CHARACTERISTICS

INGREDIENTS

- Specialist fluid binders.
- Fillers - quartz sand.
- Water-retention agents & setting agents.
- Water-repellent agents.

PRODUCT POWDER:

- Max. grain size: 3.15 mm.

PASTE:

- Density: 1.8 ± 0.1 t/m³.
- pH (alkaline): 12.5 ± 0.5.

PERFORMANCE WHEN HARDENED:

- Density: 1.8 ± 0.05 t/m³.
- Modulus of elasticity: 12,000 to 20,000 MPa.

MORTAR PERFORMANCE ACCORDING TO EN 998-1:

- Single-layer mortar: CS category IV.
- Compressive strength: ≥ 6 MPa.
- Water vapour permeability (co-eff.): μ ≤ 35.
- Thermal conductivity (λ, 10, dry): 0.93 W/mK (established value).

- Adhesion/Rupture: ≥ 0.2 N/mm² A, B or C.
- Water absorption (Wc2): Capillarity ≤ 0.20 kg/m².min^{0.5}.
- Reaction to fire (non-combustible): A1 (M0).
- Durability: NPD.

APPLICATION

- Quantity of water needed: 14 to 17%.
- Grouting pump setting: 14 bar.
- Mixing time: 3 to 5 min.
- Manipulation time: 60 mins max.
- Setting time: 5 to 8 hours.

- Max. and min. thickness as an inter-layer: 3 to 5 mm.
- Waterproof coating: 8 to 20 mm.
- Rendering mortar: 7 to 20 mm.
- Crack-bridging and sealing: 10 to 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 MORTAR

- 3.5 to 4.25 litres of clean water per 25 kg bag.
- In order to obtain a smooth mixture, we recommend mixing with an electric mixer at low speed until you obtain a smooth, lump-free paste at the desired consistency.
- Concrete mixer: 5 mins.
- Grouting pump: 3 to 5 mins.

NB: Do not re-mix or add water when the mortar begins to stiffen (when it is beginning to set) and respect the 'Manipulation time' (60 mins max.).

The water ratio and mixing time should be kept as consistent as possible to ensure a uniform application and a smooth, optimum finish.

APPLICATION

- Manually or using a machine.
- Waterproof coating.
- Creating slopes before tiling.
- Inter-layer roughcasting.
- Masonry cladding, crack-bridging and sealing (DTU 20/1).
- Creating slopes before tiling - 10 to 30 mm mini-screed:
 - Make a bonding slip using PRB IMPERFOND mortar mixed with 1 L of

PRB LATEX resin, then spread it onto the substrate a few millimetres thick.
- Make the sloping mini-screed using **PRB IMPERFOND** mortar on the fresh bonding slip. Level, smooth off and finish with a trowel.

SETTING TIME BEFORE COVERING

- Bonded/glued tiles: 21 days.
- Paints & thick paint coatings (French DTU 59.1): 4 to 5 weeks.
- Infilling: 7 days.

PRECAUTIONS FOR USE

- Contains cement and/or lime.
- Please read the packaging safety label and safety data sheet before use.