

PRB IMPERFOND



THICK WATERPROOFING MORTAR FOR IN-GROUND WALLS AND SWIMMING POOLS

The PRB IMPERFOND

- Waterproofing wall and floor supports
- Thickness from 8 to 20 mm: can be used to level
- PMES binder based: mortar can withstand aggressive waters in industrial and agricultural environments
- Manual or spray application
- The in-ground part can remain bare

PACKAGING

- 25 kg paper bag.
- 1.2 t pallet, i.e. 48 25 kg bags.

STORAGE: 12 months.

CONSUMPTION

About 18 kg/m²/cm or:

- As a rough coat: 5.4 to 9 kg/m² for a thickness of 3 to 5 mm.
- As a thick waterproofing mortar: 18 to 27 kg/m² for a finished thickness of 10 to 15 mm.
- As a separating mortar: 9 to 14.5 kg/m² for a thickness of 5 to 8 mm.

COLOUR: Grey and White.



EN 998-1 Type OC Class CS IV

AREA OF USE

USE

- Waterproofing render on form panel blocks and concrete in private pools, ponds and in-ground walls.
- Render mortar on element masonry.
- Capillary breaks and damp courses
- Separating rough coat on masonry after removal of a plaster-based render.
- Base coat on old heterogeneous masonry or plaster and lime mortared stone.
- Creation of slope-form before tiling.

- Other uses: contact the technical department.
- DTU 13.3, 20.1, 26.1, 26.2, 52.2, 59.1.

AUTHORISED SUBSTRATES (See DTU)

- 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 elements that have had plaster-based render removed.

RELATED COVERINGS (CPT)

WATERPROOFING SUB-RENDER (> 8 MM)

- Bonded ceramic coverings.
- TPC (CRÉPIMUR, CRÉPIRIB).
- Paint.
- Anti-acid coverings.

ON SEPARATING ROUGH COAT

- PRB BELLE ÉPOQUE Under-layer and Finish.
- PRB Single-coat render (choice depending on the type of original substrate).

PROHIBITED SUBSTRATES

In acid environments without suitable surface protection (containment tanks for storage of acid pH products, fermentation tank, manure pits, dung heaps, etc.).

APPLICATION CONDITIONS

- Between 5°C and 35°C.
 - Do not apply on substrates that are frozen or thawing, hot or exposed to full sunlight, soaked or exposed to driving rain and strong winds.
- Take the usual 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

PASTE:

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

RENDER PERFORMANCE

WHEN HARD:

- Density: 1.8 ± 0.05 t/m³
- 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: ≥ 6 MPa
- Permeability to water vapour (coef): $\mu \leq 35$
- Thermal conductivity (λ , 10, dry): 0.93 W/mK (tabulated value)

- Adherence/Breakage: ≥ 0.2 N/mm² 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 (M0)
- Durability: PND

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 h

- 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 and the type and wear of the equipment used may alter them significantly.

PREPARATION

MORTAR PREPARATION

- 3.5 to 4.25 l of clean water per 25 kg bag.
- Use an electric mixer at slow speed until an even paste of the required consistency is obtained without lumps.
- Using a concrete mixer for 5 min.
- Using a mortar pump for 3 to 5 min.

N.B.: Do not knock-up or add water when the mortar has started to stiffen (start of setting), respect the pot life.

Water dosage and mixing time must be as consistent as possible to guarantee the evenness of the appearance when applied, as well as optimum and consistent characteristics.

APPLICATION

- Manually or using a machine.
- Waterproofing render
- Under tiling slope-form
- Separating rough coat
- Masonry mortaring, damp course and capillary break (DTU 20/1)

TIME BEFORE COVERING

- Bonded tiling: 21 days.
- Paint, TPC (DTU 59.1): 4 to 5 weeks.
- Backfilling: 7 days.

PRECAUTIONS FOR USE

- Contains cement and/or lime.
- Refer to the regulatory labels on the packaging and to the safety data sheet before use.