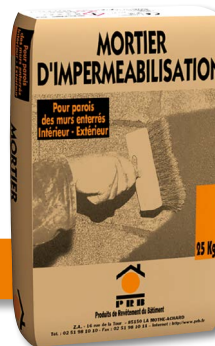


PRB MORTIER D'IMPERMÉABILISATION

THIN COAT WATERPROOFING MICRO-MORTAR



The PRB MORTIER D'IMPERMÉABILISATION +

- + Interior / exterior (under pressure and back-pressure) for in-ground walls and swimming pools
- + Direct application on masonry (manual or mechanical)
- + The in-ground part can remain bare
- + Very good adherence and shock resistance once hard



EN 998-1 Type GP Class CS IV
EN 1504-2 Thin surface
protection mortar



PACKAGING

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

STORAGE: 12 months.

CONSUMPTION

Consumption varies depending on the substrate (type, flatness, roughness).

NB: the minimum thickness at all points must be at least 3 mm to guarantee correct resistance to the passage of water.

- First layer of 1 to 2 mm using from 1.5 to 2.5 kg/m².
- Second layer of 1 to 2 mm using from 1.5 to 2.5 kg/m².

COLOUR: Grey.

AREA OF USE

USE

- Product used to treat the in-ground walls of buildings in order to prevent the passage and rise of water.
- Foundation walls, basements, cellars, elevator pits, garages, technical rooms, basement garage access walls, boiler-rooms, etc.
- Private swimming pools (concrete pools).
- Paving directly on the ground.
- Damp courses.
- Tanking on a concrete substrate.
- Other uses: contact the technical department.
- DTU 20.1 XP 10-202 Standard
- DTU 14.1 NF P 11-221

AUTHORISED SUBSTRATES

- Poured concrete (DTU 23.1).
- In-ground breeze block masonry (DTU 20.1) built using traditional or thin joints, for rendering.
- Cement render under-coats for new build or existing structures (DTU 26.1).

PROHIBITED SUBSTRATES

- All Gypsum-based substrates (Plaster).
- Paints, T.P.C.
- Directly on wood.
- Old and weak substrates.
- Unstable walls and floors, or those at risk of cracking.

DO NOT USE:

- On above-ground facade walls (as a replacement for a single-coat or conventional waterproofing render).
- To level or straighten walls.
- As a replacement for flat-roof sealing.

ASSOCIATED COATINGS

- Any non-saponifiable interior and exterior paints.
- Thick Plastic Coverings applied in accordance with DTU 59.1 and the NFT 30-700 standard.

- Facing or single-coat hydraulic render or cement render.
- Tiling bonded using C2/C2S PRB or adhesive mortars or PRB•COLJOINT EPOXY.

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.

TECHNICAL CHARACTERISTICS

COMPOSITION

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

PRODUCTS

POWDER:

- Max. grading: 1 mm

PASTE:

- Density: 1.85 ± 0.1 t/m³
- pH (alkaline): 12.5 ± 0.5

COMPOUND PERFORMANCE IN HARDENED CONDITION:

- Density: 1.6 to 1.7
- Bending strength: 4.5 to 7.5 MPa
- Compressive strength: ≥ 20 MPa

- Water passage at a pressure of 0.5 MPa: None
- Water passage at a back-pressure of 0.5 MPa: None

PERFORMANCE AS PER EN 998-1. CS IV CATEGORY GP STANDARD USE RENDER MORTAR:

- Compressive strength: CS IV (≥ 6 N/mm²)
- Permeability to water vapour (coef): μ ≤ 35 (tabulated value)
- Thermal conductivity (λ 10, dry): 0.76 W/mK (tabulated value)
- Adherence/Breakage: ≥ 0.5 N/mm² A or B or C
- W2 water absorption: C ≤ 0.20 kg/m².min^{0.5}
- Fire behaviour (non-combustible): A1 (M0)
- Durability: PND

MICRO-MORTAR PERFORMANCE AS PER EN 1504-2. THIN SURFACE PROTECTION MORTAR

- Adherence to concrete blocks: > 0.5 MPa
- Adherence to concrete: ≥ 1 MPa
- Permeability to water vapour: class 1
- Capillary absorption and permeability to water: W < 0.1 kg/m² h^{0.5}
- Thermal/thermal shock without salt compatibility: ≥ 1 Nmm²
- Adherence: ≥ 1 Nmm²
- Permeability to CO₂: PND
- Fire behaviour: A1 (M0)
- Emission of hazardous substances: see SDS

USE:

- Mixing rate: 26 to 28 %
- Mixing time: 2 to 3 min
- Batch life time: 60 min. max.
- Out of water time: 2 to 6 h
- Time between applications: 6 to 24 h
- Max. thickness per layer: 2 mm
- Max. total thickness: 3 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.

PREPARATION

SUBSTRATE PREPARATION

- Substrates must be clean (free of releasing agent), free of dust, stable, re-filled beforehand if significant chips or splinters are detected.
- The pointing on masonry elements (breeze blocks, etc.) must be correctly filled and levelled.
- Wet the substrates properly and wait for the surfaces to have dried before applying the waterproofing mortar.

MORTAR PREPARATION

- Use an electric mixer at slow speed until an even paste is obtained without lumps to the required consistency.
- 6.5 to 7.1 l of clean water per 25 kg bag.

SPRAYING EQUIPMENT SETTINGS MORTAR PUMP

- Water pressure setting: 8 to 10 bars
- Paste operating pressure: 8 to 10 bars
- Spray nozzles (min. Ø): 10 mm
- Apply using a machine and tighten using a stainless steel float.

APPLICATION MANUAL

- Apply a first layer of 1.5 to 2.5 kg/m² using a brush or a stainless steel float to perfectly cover the substrate.
- Leave to dry for 6 to 24 hours.
- Apply a second layer of 1 to 2 kg/m² perpendicular to the first layer after having moderately dampened it.

UNDER-TILE WATERPROOFING (SWIMMING POOL, PAVING)

- Use PRB MORTIER D'IMPERMÉABILISATION in two perpendicular layers at a consistency suitable for smoothing using a stainless steel float.
- Create the first reinforced layer using PRB 4 x 4 mesh glass reinforcement fabric on the entire surface area.

COVERING AND BACKFILLING TIME

- Covering with a mortar render: ≤ 72 h.
- Tiling: ≥ 7 days
- Paint, TPC (DTU 59.1): > 15 days
- Backfilling: ≥ 7 days

PRECAUTIONS FOR USE

- Contains cement and/or lime.
- Read the regulatory labelling on the package and read the safety data sheet before using.