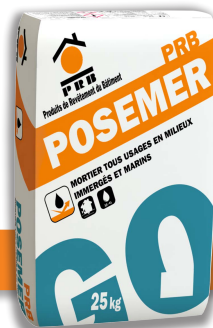


# PRB POSEMER

MULTI-PURPOSE MORTAR FOR ALL MARINE AND IMMERSED USES



## The PRB POSEMER +

- + Special hydraulic binders for exposure to a marine environment
- + Masonry banks and bank stabilisation
- + Applied manually or using a machine

### PACKAGING

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

**STORAGE:** 12 months.

### CONSUMPTION

Consumption varies depending on the depth and width of the pointing. It is approximately:

- 27 to 30 kg/m<sup>2</sup> of wall when building masonry.
- 15 to 50 kg/m<sup>2</sup> for pointing or re-pointing.

It also varies depending on the work to be carried out.

**COLOUR:** Grey.



EN 998-1 Type G and GP  
CS IV class



## AREA OF USE

### USE

- PRB POSEMER is used indoors or outdoors, in-ground and/or immersed.
- All pointing work, re-pointing, masonry building and rendering in contact with fresh or salt water.
- Bank consolidation.
- Re-pointing of masonry on docks and breakwaters.

- Rendering mortar (8 to 20 mm) on element masonry.
- Can occasionally be applied in a thick layer.
- Other uses: contact the technical department.

### PROHIBITED SUBSTRATES

Do not use: in acid environments without surface protection. (Containment tanks for storing acid pH products, fermenting tanks, slurry pits, 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, 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.

### PRODUCTS

#### POWDER:

- Max. grading: 3.15 mm.

#### PASTE:

- Density: 1.8 ± 0.1 t/m<sup>3</sup>.
- pH (alkaline): 12.5 ± 0.5

#### RENDER PERFORMANCE IN HARDENED STATE:

- Modulus of elasticity: 10,000 to 18,000 MPa.
- Bending resistance: 3 to 4.5 MPa.

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

- Compressive strength: CS IV (> 6 N/mm<sup>2</sup>).
- Permeability to water vapour: μ 15/35.
- Thermal conductivity (λ 10, dry): 0.93 W/mK (tabulated value).
- Adherence/Breakage: ≥ 0.5 N/mm<sup>2</sup> A or B or C.
- W1 water absorption: C ≤ 0.40 kg/m<sup>2</sup>.min<sup>0.5</sup>.
- Fire behaviour (non-combustible): A1 (M0).
- Durability: PND.

### MORTAR PERFORMANCE AS PER EN 998-2. INDUSTRIAL MORTAR TYPE G FOR USE IN EXTERNAL CONDITIONS SUBJECT TO STRUCTURAL REQUIREMENTS:

- Compressive strength: Category M 5.
- Chloride content: < 0.1 %.
- Permeability to water vapour: μ 15/35.
- Thermal conductivity (λ 10, dry): 0.93 W/mK (tabulated value).
- W1 water absorption: C ≤ 0.40 kg/m<sup>2</sup>.min<sup>0.5</sup>.
- Fire behaviour (non-combustible): A1 (M0).
- Durability (resistance to freezing and thawing): Assessment based on the provisions applicable at the intended place of use of the mortar.

### USE:

- Mixing rate: 14 to 16 %.
- Mortar pump setting: 14 bars.
- Mixing time: 3 to 5 min
- Pot life: 60 min max.
- Setting time: 5 to 8 h.
- Min. time before immersion: 6 h.
- Waterproofing render: 8 to 20 mm.
- Minimum pointing width: 10 mm.
- Maximum pointing width: 100 mm.
- Minimum pointing depth: 10 mm.
- Maximum pointing depth: 100 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.

## APPLICATION

### MORTAR PREPARATION

- 3.5 to 4 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 Pointing and re-pointing

- Clean existing masonry and remove the pointing to a depth of at least 30 mm.
- Re-point using a trowel or a lance suitable for pointing.
- Pack and smooth the mortar using a trowel adapted to the pointing size to fill correctly and finish.
- For specific applications, contact our technical department.

### PRECAUTIONS FOR USE

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