

PRB JOINT HPR

QUICK-SETTING, FLEXIBLE GROUTING MORTAR



The **+**s of PRB JOINT HPR

- +** Can be walked on after 3 hrs
- +** Grouting joints from 3 to 15 mm
- +** High-performance waterproof joints - rapid setting and hardening
- +** Suitable for grouting large tiles

PACKAGING

- Paper bag containing 25 kg
- Paper bag containing 5 kg.

STORAGE LIFE: 12 months.

CONSUMPTION/USE

Consumption varies according to tile size, as well as the depth and width of the joints: from 200 to 800 g/m² when laying standard tiles.

To calculate the amount needed:

- refer to the consumption table.
- use our calculator tool at: www.prb.fr

COLOUR: 58 - Medium grey.



Class CG2 WA

AREA OF USE

USES

- Indoor and outdoor floors and walls
- Grouting all types of ceramic tiles or similar.
- New and renovation work.
- Under-tile acoustic insulation systems.
- Suitable for U4 P4/P4S areas.
- Suitable for substrates subject to special requirements (concrete, underfloor heating, wood, etc.).
- Suitable for private swimming pools.
- Can be powder coated to be sealed by hand or with a machine.
- Technical specifications and French DTU Standards for glued or grouted applications.

COMPATIBLE COVERINGS

- Glazed or porcelain stoneware.
- Extruded stoneware.
- Terracotta*.
- "Pâte de verre" mosaics.
- "Emaux de Briare" mosaics.
- Natural stone* (limestone & granite).
- Marble.*
- Synthetic tiles.

* For terracotta, natural stone and marble, we recommend that you carry out a stain test before use.

LIMITS OF USE

Do not apply to/in:

- Areas subject to high-pressure cleaning or aggressive products.
- Areas in contact with seawater, thermal spring water and other aggressive waters (in this case, we recommend using **PRB COL & JOINT ÉPOXY**).
- Earthenware tiles (in this case, we recommend using **PRB JOINT FIN**, as it is non-abrasive).
- In areas subject to specific hygiene regulations, this product must be used in accordance with the guidelines set out in the special technical specifications, trade rules and/or health and safety regulations.

APPLICATION CONDITIONS

- Between 5°C and 30°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.

TECHNICAL CHARACTERISTICS

INGREDIENTS

- Fluid binders.
- Fillers - quartz sand.
- Water-retention agents & setting agents.
- Resin plasticisers.
- Water-repellent agents.

PRODUCT

POWDER:

- Grain size: <800 µm

PASTE:

- Density: 1.95 ± 0.1
- pH (alkaline): 12.5 ± 0.5

AVERAGE PERFORMANCE WHEN HARDENED:

- Class - according to EN 13888: CG2 WA.
- Modulus of elasticity: ≥ 10,000 MPa
- Compressive strength: ≥ 20 MPa
- Reaction to fire (non-combustible): A1 (MO)
- Hardness (shore D): >80

APPLICATION

- Mixing ratio (amount of water needed): 17 to 19%
- Mixing time: 2 to 3 mins.
- Manipulation time (pot life of the mix): 30 mins.
- Setting time: 2 to 3 hrs
- Can be walked on after (light circulation): 3 to 5 hrs
- Can be walked on after: One day
- Minimum joint width: 3 mm
- Maximum joint width: 15 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.

APPLICATION

Please refer to the PRB Process Sheets

PREPARATION

Before applying, make sure that:

- The tile adhesive has completely set or dried.
- The joints are clean, free of foreign matter, of even depth and free of excessive adhesive build-up.
- Unglazed or porous tiles should be moistened before use or treated with a suitable tile protecting agent.

PRODUCT PREPARATION

- Using an electric mixer set to a low speed, mix **PRB JOINT HPR** with 4.25 to 4.75 litres of clean water per 25kg bag until you obtain a smooth, lump-free paste of the desired consistency.
- **Thick consistency:** for use on walls or floors.
- **Plastic to fluid consistency:** for use on floors - apply with a squeegee or scraper.

- The quantity prepared must take into account the quick setting of the mortar.
- Do not re-mix or add water when the mortar begins to stiffen (when it is beginning to set) and be sure to respect the manipulation time (workable life of the mix).
- The quantity of water and mixing time must be kept constant in order to ensure:
 - an even colour from one mix to the next,
 - optimum hardness & finish.
- Be sure to use mortar from the same batch for each job (tile or set of tiles).

APPLICATION

USING A SCRAPER OR TROWEL

Press **PRB JOINT HPR** into the joints using a scraper or trowel, with alternating strokes diagonally across the joints, pressing firmly so that the joint is properly filled without any gaps.

NB: Only use a plastic or liquid consistency for joints less than 7 mm wide.

USING A GROUTING BAG OR AN ELECTRIC GROUTING MACHINE (JOINTS >5 MM):

- Fill the grouting bag or grouting machine and guide the nozzle over the joint to apply a continuous, even bead of mortar.
- Press down and smooth the mortar with a pointing trowel to ensure that the joint is properly filled.
- If too much mortar has been applied to the joint, use the edge of a trowel to remove any excess mortar.

NB: The fresh joint can be finished with a powder coating so that it can be sealed by hand or with a machine. This increases the surface hardness of the joint and ensures that the joint is flush with the surface of the tiles.

FINISHING & CLEANING

- Clean the tiles using a fine foam sponge or sponge trowel, diagonally across the joints, rinsing frequently, and taking care not to hollow out the joints.
- Do not let it harden on the tiles.
- When the joint has hardened, finish cleaning with a dry cloth.

We recommend using a coarse sponge to remove excess mortar and a fine sponge for finishing. The aesthetic and mechanical requirements of the joint can be met by using specialist equipment.

PRECAUTIONS FOR USE

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