

PRB JOINT FR

HIGH-STRENGTH WATERPROOF GROUTING MORTAR



The **+**s of PRB JOINT FR

- +** Resistant to chemicals (pH ≥ 4)
- +** Grouting joints from 2 to 12 mm
- +** Suitable for use in areas where pressure washing is required
- +** Suitable for swimming pools and utility areas

PACKAGING

– Paper bag containing 20 kg

STORAGE LIFE: 12 months.

CONSUMPTION/USE

Consumption varies according to tile size, as well as the depth and width of the joints: from 250 to 900 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: available in 10 different colours.



Class CG2 WA

AREA OF USE

USES

- Indoor and outdoor floors and walls
- Grouting all types of ceramic tiles or similar.
- Technical specifications and French DTU Standards for glued or grouted applications.

COMPATIBLE COVERINGS

- All types of ceramic tiles or similar.
- For natural stone and terracotta, we recommend carrying out a stain test before use.

LIMITS OF USE

- Do not use in areas subject to very aggressive products and acids with a pH below 4: **PRB COL & JOINT ÉPOXY** should be used instead.
- Do not apply to wooden floors or facades: **PRB JOINT SOUPLE** should be used instead
- 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.

- For public swimming pools and Spas: according to the regulations and special technical specifications, use **PRB COL & JOINT ÉPOXY**.
- For pools with a copper/silver ionisation maintenance process, this system may leave a blackish residue when in use.

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

- Specialist fluid binders.
- Quartz sand.
- Water repellent and specific additives.

PRODUCT

POWDER:

- Grain size: <400 μ m

PASTE:

- Density: 2 ± 0.1
- pH (alkaline): 12

AVERAGE PERFORMANCE WHEN HARDENED:

- Class - according to EN 13888: CG2 WA.
- Modulus of elasticity: 15,000 \pm 5,000 MPa
- Compressive strength: ≥ 30 MPa
- Reaction to fire (non-combustible): A1 (M0)
- Hardness (shore D): >80
- Resistance to chemical agents: pH 4 to 14

APPLICATION

- Mixing ratio (amount of water needed):
 - PRB JOINT FR White, Ultra White, Ivory, Greyish Beige, Taupe Brown, Lavezzi Grey and Silver Grey:** 23 to 27%
 - PRB JOINT FR Grey, Guernsey Grey, Charcoal Grey and Black:** 21 to 25%
- Mixing time: 2 to 3 mins
- Manipulation time (pot life of the mix): 30 to 45 mins
- Can be walked on after: 24 hrs
- Waiting time before filling with water (for swimming pools): 5 to 7 days

- Minimum joint width: 2 mm
- Maximum joint width: 12 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

Please refer to the PRB Process Sheets

SUBSTRATE PREPARATION

Before applying, make sure that:

- The adhesive has 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

- Take a 5 or 20 kg bag of grouting mortar, depending on the surface to be grouted, and use within 30 to 45 minutes of mixing (manipulation time - pot life of the mix).
- Use the whole bag to ensure the correct water/cement ratio. Use the PRB measuring bucket.
- Mix the **PRB JOINT FR** mortar with clean water, using the amount of water indicated on the packaging:

Packaging	Amount of water to be added depending on the colour	
	White, Ultra White, Ivory, Greyish, Beige, Taupe Brown, Lavezzi Grey, Silver Grey	Grey, Guernsey Grey, Charcoal Grey, Black
5kg bag	1.15 to 1.35 L	1.05 to 1.25 L
20kg bag	4.6 to 5.4 L	4.20 to 5 L

- Mix with an electric mixer at low speed until you obtain a smooth, lump-free paste.

IMPORTANT:

- 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 across the joints,
 - optimum hardness & finish.
- Be sure to use mortar from the same batch for each job (tile or set of tiles).

APPLICATION

APPLY USING A SCRAPER OR TROWEL.

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

Please note: only use a plastic or liquid consistency for joints less than 7 mm wide.

FINISHING & CLEANING

- Clean the tiles with a 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.