

PRB JOINT OPUS

GROUTING MORTAR FOR STONE PAVING



The **+** s of PRB JOINT OPUS

- +** XXL joints: from 6 to 50 mm and 100 mm
- +** Waterproof joints with 3 finishes (sponge, smoothed and brushed)
- +** Suitable for paving stones and slabs

PACKAGING

– Paper bag containing 25 kg

STORAGE LIFE: 12 months.

CONSUMPTION/USE

Consumption varies according to the size of the tiles or slabs and the depth and width of the joints: from 0.500 to 2 kg/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 7 different colours.



Class CG2 WA

AREA OF USE

USES

- Interior and exterior floors and walls
- New and renovation work.
- Private terraces, pool surrounds and swimming pools.
- Technical specifications and French DTU Standards for glued or grouted applications.

COMPATIBLE COVERINGS

- Glazed porcelain stoneware and extruded stoneware.
- Terracotta* (facing tiles).
- Shale.
- Marble*.
- Slate.
- Natural stone* (limestone & granite).
- Concrete and reconstituted stone slabs.
- * For terracotta, natural stone and marble, we recommend that you carry out a stain test before use.

PROHIBITED SUBSTRATES

Do not apply 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 EPOXY**).
- 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.
- Mineral fillers.
- Specific additives.
- UV-resistant pigments.

PRODUCT

POWDER:

- Grain size: <2,000 µm

PASTE:

- Density: 1.9 ± 0.1
- pH (alkaline): 12.5 ± 0.5

AVERAGE PERFORMANCE WHEN HARDENED:

- Class - according to EN 13888: CG2 WA.
- Modulus of elasticity: 15,000 ± 5,000 MPa
- Compressive strength: ≥ 15 MPa
- Reaction to fire (non-combustible): A1 (M0)
- Hardness (shore D): >80

APPLICATION

- Mixing ratio (amount of water needed): 15 to 18%
- Mixing time: 2 to 3 mins.
- Manipulation time (pot life of the mix): 2 hrs
- Setting time: 3 to 5 hrs
- Can be walked on after (light circulation): 24 hrs
- Can be walked on after: 48 to 72 hrs
- Minimum joint width: 6 mm
- Maximum joint width: 50 mm, 100 mm at a single point.

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 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 or a concrete mixer, mix **PRB JOINT OPUS** with 3.75 to 4.5 L of clean water per 25 kg bag until you obtain a smooth, lump-free paste of the desired consistency.

Thick consistency: for use on walls or wide joints.

Plastic consistency: for use on floors or joints less than 10 mm wide.

- The quantity prepared must take into account the manipulation time (workable life of the mix).
- Do not re-mix or add water when the mortar begins to stiffen (when it is beginning to set) and respect the 'Manipulation Time'.
- 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

TROWEL OR SPATULA

- Press **PRB JOINT OPUS** into the joints using a trowel or spatula, pressing firmly so that the joint is properly filled without any gaps.

NB: Only use a plastic consistency for joints up to 10mm wide - to be applied with a grout float.

GROUTING BAG (6 TO 15 MM)

- Fill the grouting bag 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.

Rustic finish: For a more rustic finish, brush the joint with a hand or soft brush 30 to 60 minutes after grouting.

FINISHING & CLEANING

- Once firm, 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. When using natural stone, brush with a stiff bristle brush as soon as the mortar starts to "powder" on the surface of the tiling.

PRECAUTIONS FOR USE

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