

# 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



Class CG2 WA

#### 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/m<sup>2</sup> when laying standard tiles.

To calculate the amount needed:

- refer to the consumption table.
- use our calculator tool at: [www.prb.fr](http://www.prb.fr)

**COLOUR:** available in 6 different colours.



## 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.