

# PRB JOINT BM



TECHNICAL LIME MORTAR WITH A LOW MODULUS OF ELASTICITY FOR FACADES

## The +s of PRB JOINT BM

- + Ideal for all types of natural coatings (stone, brick and terracotta slabs)
- + Smooth, brushed/rustic finish
- + Waterproof joint from 3 to 30 mm
- + Lime mortar that lets walls breathe, ideal for old buildings
- + Low modulus of elasticity < 5000 mpa, prevents dividing



### PACKAGING

– Paper bag containing 25kg.

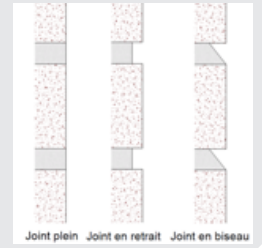
**STORAGE LIFE:** 12 months.

### CONSUMPTION/USE

This varies based on the format of the bricks or slabs, and the depth and width of the joints: from 5 to 10kg/m<sup>2</sup>.

**COLOUR:** available in 20 different colours.

**GROUTING TECHNIQUES:** see diagram opposite.



## AREA OF USE

### USES

- Mortar for grouting bricks, facing slabs and stones, etc., interior and exterior walls, new builds and renovation work.
- Specially developed for natural facing coatings and to eliminate dividing joints.

### REFERENCE DOCUMENTS:

- Technical Specifications and French DTU standard in force.

### COMPATIBLE COATINGS

- Brick.
- Facing slabs.
- Terracotta\*.
- Natural stone\* (limestone & granite).
- Reconstituted stone\*.
- Cement tiles.
- Pressed or split ceramic tiles.

\* For these coatings, we recommend that you carry out a stain test before use.

### PROHIBITED SUBSTRATES

#### Do not apply to:

- Areas subject to pressure washing or aggressive products.
- Floors.
- Fireplaces, barbecues...
- Swimming pools.
- 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.
- If the temperature exceeds 30°C, special protective measures must be taken.
- Do not apply to frozen, thawing, hot, wet or damp surfaces. Do not apply to surfaces when exposed to direct sunlight.

## TECHNICAL CHARACTERISTICS

### INGREDIENTS

- Lime-based.
- Fillers.
- Mineral pigments.
- Waterproofing agents.

### PRODUCT POWDER:

- Grain size: ≤ 1 mm.

### PASTE:

- pH (alkaline): approx. 12.5.

### AVERAGE PERFORMANCE WHEN HARDENED:

- Dynamic modulus of elasticity: < 5,000 MPa.
- Reaction to fire: A1 (M0).

### UTILISATION

- Mixing ratio (amount of water needed):
  - Grouting bag: 22 to 24%.
  - pointing trowel: 14 to 16%.
- Mixing time: 3 to 5 mins.
- Resting time before use: 5 mins.

- Manipulation time (pot life of the mix): approx. 1 hr\*.
- Open time for levelling: approx. 20 mins\*.
- Hardening time: 24hr minimum\*.
- Minimum joint width: 3 mm.
- Maximum joint width: 30 mm.

\* depending on joint dimensions, type of substrate and ambient conditions.

**NB:** These values are estimates from laboratory tests carried out in accordance with the technical guides. The application conditions can significantly change these values.

## UTILISATION

### PREPARATION

Before applying, make sure that:

#### NEW BUILDS:

- The adhesive mortar has set or dried.
- The joints are clean, free of foreign matter and dust, of even depth and free of excessive adhesive build-up.
- Porous tiles, slabs or other cladding materials are moistened beforehand.

#### RENOVATION WORK - REPOINTING:

- The masonry elements must be sound and stable.
- The joints should be at least 15 - 20 mm deep and all dust should be carefully removed.
- On old masonry (e.g. earth joint, etc.), or low-resistance mortar joints, scrape out the joints to a depth of 20 to 50 mm depending on their state and carefully remove dust.
- Moisten just before repointing, especially for porous bricks or stones or during hot weather.

### PRODUCT PREPARATION

- Using an electric mixer set to a low speed, mix one 25kg bag of PRB JOINT BM with clean water until you obtain the desired consistency:

#### For application using a grouting bag:

- Add 5.5 to 6l of water per 25 kg bag.

#### For application with a pointing trowel:

- Add 3.5 to 4l of water per 25 kg bag.

- 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.
- Make sure you use mortar from the same batch for each job or facade.

### APPLICATION

#### With a trowel or pointing trowel

- Press PRB JOINT BM into the joints using a trowel or pointing trowel, pressing firmly so that the joint is properly filled without any gaps.
- Smooth as you go along with the pointing trowel.

#### Using a grouting bag (or an electric grouting machine)

- Fill the grouting bag or the machine's tank.
- Guide the nozzle over the joint to apply a continuous, even bead of mortar to the joints.

- Press down and smooth the mortar with a pointing trowel to ensure that the joint is properly filled, then add more if necessary.
- If too much mortar has been applied to the joint, use the edge of a trowel to remove any excess mortar.

#### With a grout float

- Press PRB JOINT BM into the joints with a grout float using alternating diagonal strokes across the joints.
- Press firmly to work the product in deeply and fill gaps across the full width of the joint.
- Work top-down.
- After filling, remove excess mortar with diagonal strokes of the float without hollowing out the joints.

### FINISHING & CLEANING

#### For a smooth finish:

- Once the mortar becomes firm, but before it is completely firm, i.e. approx. 20 min after application, clean the coating with a sponge or sponge trowel, diagonally across the joints, rinsing frequently, and taking care not to hollow out the joints.
- **Warning:** the firming time will depend mainly on ambient conditions and the type of coating. This time is therefore given for information purposes.

- For high-relief coatings, immediately clean off excessive mortar with a wet sponge.
- The aesthetic and mechanical requirements of the joint can be met by using specialist equipment.
- Do not let it harden on the coating.
- When the joint has hardened, finish cleaning with a dry cloth or a weak acid solution.

#### For a brushed/rustic finish:

- Brush the joint (small brush, soft-bristle brush) within approx. 20 minutes of application.
- **Warning:** This time is given for information purposes. Ambient conditions, as well as the type of coating, will significantly influence the brushing time.

### PRECAUTIONS FOR USE

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