

PRB JOINT PRÉDALLE ALG



FIBRE-REINFORCED MORTAR FOR SEALING JOINTS BETWEEN PRE-CAST SLABS AND PRE-CAST WALLS

The **+**s of PRB JOINT PRÉDALLE ALG

- +** Interior and exterior smooth finish in a single coat
- +** Lightweight, fibre-reinforced mortar: resistant to cracking, compliant with French DTU 23.4 (PV CERIB N°04 048-A)
- +** Ease of use: bag with handle & dust-free technology
- +** Multi-purpose: suitable for sealing passive cracks and filling grooves



PACKAGING

- Paper bag containing 20 kg (with handle).

STORAGE LIFE: 12 months.

CONSUMPTION/USE

1 bag of 20 kg makes approximately 150 linear metres with a cross section of 1 cm².

COLOUR: Light grey.



AREA OF USE

USES

- Sealing joints between pre-cast slabs and pre-cast walls, for indoor and outdoor use.
- Filling dormant cracks
- Filling in grooves and dents.
- Can be applied horizontally and vertically thanks to its thixotropic properties
- Gluing the cones of concrete panels.
- Spot repair of concrete splinters.
- Making grooves and filling in gaps.
- Sealing pipe ducts.

SUITABLE SUBSTRATES

- Concrete (slabs, pre-cast concrete structures, precast concrete walls...) at least 28 days old.

PROHIBITED SUBSTRATES

- Do not use on:
- Plaster.
 - Organic coverings (to be avoided completely).
 - Crumbling or weak surfaces.

REFERENCE DOCUMENTS

- French DTU 23.4.
- Technical Specifications for floors & Concrete Industry Federation rules.
- French DTU 59.1 "Paint Coatings".
- Technical specification 3690_V2 - July 2014.
- QUALIpreDAL guide (Concrete Industry Federation & French Building Federation).

APPLICATION CONDITIONS

- Between 5°C and 35°C.
- Do not apply to frozen, thawing, damp, wet or hot surfaces or during heavy rain.
- Do not apply if there is a risk of frost or freezing temperatures within the next 24 hrs.
- Do not use to fill joints subject to structural movement in buildings.

TECHNICAL CHARACTERISTICS

INGREDIENTS

- Specific binders.
- Fine fillers
- Specific additives.

PRODUCTS

POWDER:

- Density: 1.3 t/m³
- Grain size: <0.3 mm

PERFORMANCE WHEN HARDENED (28 days):

- Adhesion to concrete: >0.5 MPa
- Modulus of elasticity: approx. 9,000 MPa
- Resistance to cracking: CERIB report in accordance with DTU 23.4 (in progress).

UTILISATION:

- Mixing ratio (amount of water needed): 24 to 26%.
- Manipulation time (workable life of the mix): 1 hr +/- 30 mins.
- Waiting time before covering/coating: 7 days.

NB: These values are estimates based on laboratory tests or on-site tests. The application conditions can significantly change these values.

COMPATIBLE COATINGS & COVERINGS

- Render.
- Paints and wall levelling products.
- The provisions of DTU 59.1 must be complied with when applying paint and when incorporating calico in the finishing coat.

UTILISATION

SUBSTRATE PREPARATION

Hydraulic concrete must be at least 28 days old, buildings must be protected from water/air and fully stabilised, floor props and struts should be removed and heavy partitions should be in place.

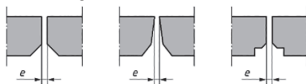
The edges of pre-cast concrete slabs and walls can only be filled and/or sealed after checking the recommendations or specifications provided by the concrete manufacturer.

Remove any surface laitance or dirt by sanding, followed by careful brushing and dusting.

Substrates must be clean, sound, free of dust and moistened before application.

JOINT WIDTHS:

The joints between pre-cast concrete slabs must have a gap ("e") of between 5 and 20 mm and must be chamfered. Beyond this width, a bridging strip should be pressed into the finishing coat.



MISALIGNMENTS BETWEEN PRE-CAST CONCRETE SLABS OR WALLS:

The difference in alignment ("a") between two pre-cast concrete slabs must not exceed 10 mm.



If the difference in alignment is greater than 10 mm, it must be corrected beforehand by the structural works contractor by adding a suitable re-profiling mortar or repair mortar to the highest pre-cast slab or to the cavity in the pre-cast wall (e.g. PRB TP RÉPAR R2, R3 or R4).

A reinforcement strip or bridging strip should be embedded in the mortar. The joints must be grouted after the mortar has dried (at least 7 days).

MORTAR PREPARATION

- Always use clean mixing equipment and potable water.
- Mix with approximately 5 litres of water per 20 kg bag of PRB JOINT PRÉDALLE ALG.
- Gradually pour the powder into the water and mix, preferably with an electric mixer, until you obtain a smooth, even paste with no lumps.

APPLICATION

- Fill ¼ of the joint with PRB JOINT PRÉDALLE ALG using a drywall knife or stainless steel trowel, pressing the mortar firmly onto the pre-cast slabs or walls.
- Then fill the joint completely and smooth with a trowel or float.
- Before finishing, wait at least 7 days for the product to dry thoroughly.

PRECAUTIONS FOR USE

- Do not re-mix or add water. Do not use once the product has started to set.
- Clean tools with water immediately after use.
- Please read the packaging safety label and safety data sheet before use.