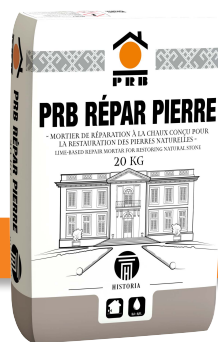


PRB RÉPAR PIERRE TF/TM/DF/DM

LIME-BASED REPAIR MORTAR FOR RESTORING NATURAL STONE



The **+** s of PRB RÉPAR PIERRE TF/TM/DF/DM

- +** Available in Fine or Medium grain for Hard or Soft stones
- +** Careful repair, faithful to the appearance of the stone
- +** Can be modelled and/or sculpted, applied in thicknesses of up to 10 cm
- +** Fine grain can be used for levelling
- +** Modulus of elasticity suitable for different types of stone



PACKAGING

– Paper bag containing 20 kg.

STORAGE LIFE: 12 months.

CONSUMPTION/USE

Consumption varies depending on:

- The desired surface finish and thickness to be applied.
- Approximately 15 to 17 kg/m²/cm of thickness, depending on the product used.

COLOUR: Available in 12 colours & compatible with PRB colour system pigments.



AREA OF USE

USES

- Repairs to thin and thick natural stone.
- Pointing or repairing joints in dressed stonework.
- Repairs to sculpted elements.
- French DTU 20.1 & the CTMNC's practical guide for natural stone.

SUITABLE SUBSTRATES

- Soft to semi-hard natural stone for **PRB RÉPAR PIERRE TF & TM** (select the grain size according to the type of stone).
- Semi-hard to hard natural stone for **PRB RÉPAR PIERRE DF & DM** (select the grain size according to the type of stone).

PROHIBITED SUBSTRATES

- Rendered masonry.
- All gypsum-based substrates (plaster).
- Paint & thick paint coatings.
- Bare wood.
- Floors.

APPLICATION CONDITIONS

- Between 5°C and 35°C.
- If the temperature exceeds 30°C, special protective measures must be taken.
- 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.
- Make sure that you correctly identify the type of stone to be restored (soft/semi-hard/hard).

TECHNICAL CHARACTERISTICS

INGREDIENTS

- Air-slaked lime and specific fluid binders.
- Limestone sand & Silica sand.
- Grain size:
 - **PRB RÉPAR PIERRE TF & DF:** 0/0.3 mm.
 - **PRB RÉPAR PIERRE TM & DM:** 0/1.5 mm.
- Specific additives.
- Mineral pigments.

APPLICATION

- Mixing ratio (amount of water needed):
 - DF: 19 to 21% / TF: 21 to 23%
 - DM: 17 to 19% / TM: 20 to 22%
- Mixing time: 3 to 7 mins.
- Mixture handling time: 30 to 90 mins max.
- Setting time - structuring: 0 to 8 hours.
- Can be dressed after 12 to 48 hrs, depending on the ambient conditions.

PERFORMANCES

PRB RÉPAR PIERRE	TF	TM	DF	DM
Bulk density	1.1 to 1.3	1.2 to 1.4	1.4 to 1.6	1.5 to 1.7
Modulus of elasticity	3000 to 4000 MPa	4000 to 5000 MPa	7500 to 8500 MPa	8000 to 9000 MPa
Compressive strength	≥ 2.5 MPa	≥ 3.0 MPa	≥ 7.0 MPa	≥ 8.0 MPa
Shrinkage after 28 days	≤ 0.8 mm/m	≤ 0.7 mm/m	≤ 1.0 mm/m	≤ 0.9 mm/m
Capillarity coefficient	≤ 3.0 g/dm ² .min ^{0.5}	≤ 3.0 g/dm ² .min ^{0.5}	≤ 2.5 g/dm ² .min ^{0.5}	≤ 2.5 g/dm ² .min ^{0.5}
Adhesion on stone	> 0.3 MPa	> 0.3 MPa	> 0.4 MPa	> 0.5 MPa
Application thicknesses: mini/maxi	0.2 mm to 10 cm	0.5 to 10 cm	0.2 mm to 10 cm	0.5 to 10 cm

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

SUBSTRATE PREPARATION

- Remove any damaged or mechanically weak sections of stone to achieve a strong, adherent surface.
- If the repair is greater than 3cm, reinforce the area with nails, dowels and brass wire.
- Apply a roughcast bonding layer (**PRB RÉPAR PIERRE** mixed with 1 litre of **PRB Latex** bonding resin and 1 litre of water - for 5 kg of **PRB RÉPAR PIERRE**). It must be dry to the touch before applying the mortar.
- Apply the roughcast layer with a brush, ensuring that the substrate is sufficiently moistened beforehand.

MORTAR PREPARATION

- Mix **PRB RÉPAR PIERRE** with:
 - **PRB RÉPAR PIERRE TF:** 4.2 to 4.6 litres of clean water per 20 kg bag for 5 minutes.
 - **PRB RÉPAR PIERRE TM:** 4.0 to 4.4 litres of clean water per 20 kg bag for 5 minutes.
 - **PRB RÉPAR PIERRE DF:** 3.8 to 4.2 litres of clean water per 20 kg bag for 5 minutes.
 - **PRB RÉPAR PIERRE DM:** 3.4 to 3.8 litres of clean water per 20 kg bag for 5 minutes.

For all products, the consistency should be adjusted according to the application thickness.

APPLICATION

- **For repairs of 0.5 to 5 mm:** apply the first coat of **PRB RÉPAR PIERRE** with a trowel, pressing the mortar firmly onto the substrate, then continue by applying thin layers of the mortar with a very plastic consistency, slightly overlapping, or by pressing the product generously onto the substrate with a trowel.
- Mould the mortar roughly to the required shape.
- **For repair thicknesses between 5 and 10 cm:** apply in two coats with reinforcement (nails, dowels and brass wire).
- **For levelling (PRB RÉPAR PIERRE TF/DF):** press the mortar onto the substrate with a trowel or float, ensuring that enough mortar has been applied before smoothing.

TYPES OF FINISH

- 12 to 48 hours after application, shape the mortar with the edge of a trowel, a stone planer or other suitable tool.
- Lightly sand over the sound stone with fine sandpaper to even out the surface.
- **PRB BADIRÉNO** whitewash can be applied to even out the appearance.

PRECAUTIONS FOR USE

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