

PRB CRÉPIXATE M

THICK, STRUCTURED MINERAL COATING

CONTAINING POTASSIUM SILICATE

The +s of PRB CRÉPIXATE M

- + Protect and decorate exterior walls
- + Extra matt finish
- + Can be used without a primer (please contact us beforehand)

French Standard T 36-005: Category II - Class 2b

French DTU 59-1

NF EN 1062-1 (French Standard T 34-722): A0 (D3)

NF EN 1062-1: G₃E₅S₃V₁W₃A₀C₀

Prêt à l'emploi



PACKAGING

– 25 kg plastic tub.

STORAGE LIFE: 24 months.

CONSUMPTION/USE

– Float finish: Approx. 3 kg/m².

COLOUR: – Shades from the PRB and Sun+ colour charts (please contact us for more information).



AREA OF USE

USES

- PRB CRÉPIXATE M can be used as a finishing coat for both renovation work and new builds.
- Finishing coat for PRB external wall insulation (see table).
- For use and application instructions, please refer to the French DTU 59.1.

SUITABLE SUBSTRATES

- **Outdoor surfaces:** Cast-in-place and levelled concrete (DTU 23.1), pre-cast panels, traditional render (DTU 26.1) or adherent single layer render in good condition, earthenware

and any mineral substrate that ensures waterproofing.

FOR ALL OTHER SUBSTRATES, PLEASE CONTACT THE PRB TECHNICAL DEPARTMENT

PROHIBITED SUBSTRATES

- All organic coatings.
- Surfaces exposed to rising damp caused by moisture ingress (e.g. basements).
- Horizontal or sloping surfaces (<45%) exposed to rain (windowsills, tops of walls, etc.).

APPLICATION CONDITIONS

In accordance with the NF DTU 59.1 standard, PRB CRÉPIXATE M must not be applied:

- If the ambient and substrate temperatures are below 5°C or above 35°C,
- If the humidity level is higher than 80% (in rain or fog),
- To damp, frozen, freezing or thawing substrates,
- In warm, dry winds to avoid possible traces of rework.

Due to the sensitivity of silicate-based mineral coatings, it is advisable to take the precautions recommended for this type of coating with regard to environmental conditions (humidity, exposure to sunlight, risk of rain or surface condensation) in order to avoid any aesthetic defects, such as shadow spectra caused by scaffolding, bleaching, carbonation, dripping, etc. The most effective precautions are to completely cover the scaffolding with a tarpaulin or similar until the product has been made waterproof.

TECHNICAL CHARACTERISTICS

INGREDIENTS

- Potassium silicate.
- Acrylic copolymers (<5%).
- Mineral fillers containing natural marble aggregates, which may cause occasional black specks to appear after drying.

- Encapsulated film protecting agent.
- Specific additives.
- Water.

PRODUCT

- Density: 1.7 ± 0.05.
- pH: 11.5 ± 0.5.
- Dry extract: 80 ± 2%.
- Grain size: ≥ 1.5 mm.

UTILISATION

SUBSTRATE PREPARATION

- **PRB CRÉPIXATE M** must be applied to flat, dry, clean, sound and solid substrates, free of any dust or traces of formwork removal oil.
- For non-waterproof exterior substrates such as bare masonry (bricks, breezeblocks, etc.): apply a render undercoat using **PRB TRADITIONNEL 160** or **PRB TRADICLAIR 170**. Leave to dry for 3 to 7 days, depending on weather conditions, before applying the regulating primer. Leave to dry for 48 to 72 days, depending on weather conditions, before applying the regulating primer.
- The upper edges of vertical surfaces must be protected.
- For large surfaces, to avoid the risk of reworking, the surface to be coated should be divided into smaller sections so that the entire surface can be coated without any gaps.

PREPARATION

- All substrates must be treated with the **PRB CRÉPIFOND MINÉRAL G** regulating primer, in the same colour as the finish. Average consumption of **PRB CRÉPIFOND MINÉRAL G**: 200 to 300 g/m² depending on the porosity and texture of the substrate.
- **For absorbent or chalky substrates:** Pre-treat with **PRB CRÉPIFOND S** fixative primer at a rate of 150 to 200 g/m².

APPLICATION

- **PRB CRÉPIXATE M** is ready to use. Do not mix with anything other than water, and only in small quantities, as this will invalidate the manufacturer's guarantee.
- Before use, mix well with a mixer set to low speed.
- Apply with a stainless steel float.

NB: Tools should be cleaned with cold water.

FINISH

- Float finish: plastic float.

Colour consistency

The evenness and consistency of the colours will be affected by the climatic conditions in which they are applied (temperature, humidity, wind, sunlight). Since this product sets by both water evaporation (drying) and chemical reaction (silicification), shading may occur if the application conditions are not identical. Similarly, shadow spectra can be created by scaffolding platforms and rails when the sun is shining, due to the difference in drying between the area exposed to the sun and the area in the shade. This phenomenon is more noticeable with darker shades. To avoid this natural phenomenon, we recommend that scaffolding be covered with a tarpaulin or netting to reduce the amount of solar energy absorbed and to ensure uniform setting and drying conditions.

This product takes longer to dry and set in cold and wet weather, and the facade must be protected from rainwater and dew to prevent dripping and efflorescence. We also recommend the use of a tarpaulin to avoid these aesthetic problems, especially when applied over external wall insulation, which is more prone to surface condensation. It is also important to provide overhead protection to protect the structure from rainwater.

Therefore, PRB cannot guarantee colour consistency, which depends on the drying process and chemical reactions, the main factors of which are described above. To avoid shading, we recommend using a single batch (with the same use-by date) for the same facade or finishing at natural stops/edges.