PRB
COLOR MINÉRAL PLUS

POTASSIUM SILICATE BASED MINERAL PAINT

Benefits of the PRB COLOR MINÉRAL PLUS

- Protects and decorates exterior walls
- Deep matt effect
- Highly resistant to dirt and grime
- Highly permeable, suitable for Heritage, renovation and lime mortar constructions and for coating lime renders
- Highly breathable, durable, robust and long-lasting finish that forms a permanent bond to the substrate
- Available in a wide range of colours*

* For colours with a Solar Absorption Coefficient factor greater than 0.7 (e.g. darker shades) we recommend using the SUN+ technology



KEY PRODUCT INFORMATION

- Recycled plastic tubs of 6 kg and 17 kg.

CONSUMPTION

- 1st coat: **PRB COLOR MINÉRAL PLUS** diluted: Approx. 56m² per 17 kg tub based upon 300 g/m²
- or use **PRB CRÉPIFOND MINÉRAL G** primer applied neat: Approx. 66m² per 20 kg tub based upon 300 g/m².
- 2nd coat: **PRB COLOR MINÉRAL PLUS**: Approx. 56m² per 17 kg tub based upon 300 g/m²
- Approx 28 m² / 17 kg bucket - When applied as a 2-coat application.

COLOUR: PRB Harmony colour chart colours.

STORAGE: 24 months - Store inside in cool, frost free and dry conditions. Avoid extreme temperatures, storing in direct sunlight or in site storage containers where the material can be affected by heat build up or cold. Warm material will be difficult to apply and is likely to cure before works can be completed. This can become more exacerbated if applied to a wall heated by the sun.

EN 1062-1
European Classification:
$G_3\ E_3\ S_1\ V_1\ W_2\ A_0\ C_0$

USAGE GUIDE

WHERE TO USE?

- **PRB COLOR MINÉRAL PLUS** can be used on interior and exterior walls, for new build, heritage, lime based substrates and refurbishment applications.

PROPERTIES

PRB MINÉRAL PLUS has many qualities thanks to its mineral based composition, which gives it microcrystalline properties of natural stone:

- Highly water vapour permeability that enables the masonry to have excellent breathability.
- Ideally suited for well bonded render, particularly when a lime render is used or when applying directly onto lime mortar constructed masonry.
- Very good covering power.
- Very good resistance to soiling, algae, mosses etc.
- Excellent resistance to very aggressive environments.
- Outstanding UV resistance.
- Non combustible.

SUITABLE SUBSTRATES

✓ Lime and/or cement-based renders and mortars.

✓ Traditional air-slaked lime renders

✓ Clay roof tiles and cladding.

✓ Concrete or masonry substratesincluding those constructed with lime mortar

✓ Brick & stone

✓ Plaster - Seal first with **PRB CRÉPIFOND F**

PROHIBITED SUBSTRATES

Do not apply to painted surfaces or other organic coatings.

✗ This product is not for use on floors.

✗ For other substrates or uses, please contact us before use.

✗ Floors.

✗ Horizontal surfaces or sloping surfaces less than 45° that are exposed to rain, e.g. window sills, balconies etc.

✗ Metal.

✗ Ceramic tiling.

✗ Smooth non porous surfaces.

✗ Wood.

✗ Plastic materials.

✗ Old organic paints e.g. acrylic or silicone based paints.

FOR ANY OTHER SUBSTRATE PLEASE CONTACT THE PRB TECHNICAL DEPARTMENT.

APPLICATION CONDITIONS

- The substrate must be dry (the moisture content should be 12 – 14% - Test with a moisture meter), with a surface temperature of 5°C to 30°C.
- The relative humidity of the ambient air must not exceed 80%.
- Risk if blistering when applied to permanently or intermittently damp substrates.
- Do not apply in freezing temperatures or hot, dry winds.
- To avoid changes in appearance, we recommend using a single batch for the same surface or elevation or finish at natural stops/edges / corners.
- Variation in appearance may occur if there are temperature variations or damp wet conditions during application.
- To avoid the risk of shade variations when applying to large areas, the product must be applied fresh-on-fresh with sufficient manpower to coat the entire surface / elevation in one go.
- Alternatively, the area should be divided into sections that can be coated without interruption.
- **PRB COLOR MINÉRAL PLUS** is supplied ready to use. Do not mix with anything other than water, as this will invalidate the manufacturer's guarantee.
- Mix the contents thoroughly using a low speed paddle mixer before applying.
- Caution must be given when dealing with darker colours because these are more vulnerable to marks showing during finishing and can be affected by wet or damp conditions therefore good application procedures and techniques sould be observed.

TECHNICAL

COMPOSITION

- Liquid potassium silicate.
- Water-based acrylic copolymers <5%.
- Titanium dioxide.
- Contains an encapsulated film protecting agent.
- Calcium carbonate.
- Specific additives.
- Water.
- **NB:** The organic compounds content is less than 5%.

PRODUCT CHARACTERISTICS

- Appearance: Ready to use liquid.
- Density at 20°C: 1.4 ± 0.05.
- pH = 11.5 ± 0.5.
- Dry extract: 54 ± 2%.
- Drying time at 20°C and 65 % relative humidity: 8 hrs
- Dry to the touch: About 2 hrs in above conditions.
- 1st coat can be covered after: 8 to 24 hours (depending on relative humidity conditions).

APPLICATION

SUBSTRATE PREPARATION

- **PRB COLOR MINÉRAL PLUS** must be applied to a dry, clean, sound and solid surface, free from dust and traces of formwork removal oil.
- Treat surfaces affected by mould and mildew with **PRB ACTI FLASH** (please refer to the technical data sheet).
- **For levelled concrete, allow the coating to dry for at least 1 month before applying PRB COLOR MINÉRAL PLUS.**
- The upper edges of vertical surfaces must be protected (flashing, copings, etc.).
- Protect all surfaces that are likely to be damaged by the high alkalinity of the paint (metal surfaces, wood, glass, ceramics, etc.).
- **Unpainted surfaces**
  Prepare the surface ensuring it is clean, dry, free from dust and contaminants.
- **Substrates covered with old organic coatings**
  Old organic coatings must be removed by scraping, brushing, sanding, etc. If a chemical or high-temperature thermal stripping technique is used (in which the coating is burned off), it must be followed by scraping and rinsing with hot pressurised water, then drying.

APPLICATION

Application materials:

- An 18-20 mm woven or textured polyamide roller, depending on the substrate.
- Paintbrush.

N.B.: After use, clean the tools with clean, cold water.

- Apply in 2 coats:
  - the 1st diluted with 2 to 5% water,
  - the 2nd undiluted.
- Dry in 1 to 4 hours.
- Wait 12 hrs between coats.
- Apply in cross coats.
- To create an even finish, ensure the roller or brush is not overloaded with paint and a even application is applied across the whole facade, working to a wet edge and checking the finish immediately after application for streaks, runs, brush and roller marks.
- If these have aoccured then leave to dry and apply a further coat.
- The finishing is completed by a light pass from bottom to top using a brush or roller.
- N.B.: Clean the tools after use in clean cold water.

HEALTH & SAFETY

- Contains lime and is highly alkaline.
- May produce an allergic reaction. Harmful if inhaled, irritating to eyes and skin. Wear suitable protective clothing, gloves and eye/face protection.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical help. After contact with skin, wash immediately with plenty of soap and water.
- Keep out of the reach of children.
- For further information, please read the material Safety Data Sheet for this product.

Technical sheet -June 2026

The only purpose of this technical data sheet is to inform customers about the product and its specific uses. The information it contains is based on current knowledge and experience. The end user must carry out a representative test to ensure the product is suitable for their specific application and no responsibility can be accepted, or any warranty given by our Representatives, Agents or Distributors. Our general terms and conditions of sale shall prevail, and the end user should check to ensure this document has not been replaced by a more updated version.

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