

PRB COLOR SILOXANE

HIGH PERFORMANCE SILOXANE RESIN BASED PAINT

Benefits of the PRB COLOR SILOXANE



- + Facade protection and decoration
- + Deep matt appearance
- + Excellent permeability to water vapour and excellent weather protection thanks to its water repellent binder
- + High covering and filling properties, very easy to apply
- + Excellent durability



KEY PRODUCT INFORMATION

- 6 kg and 20 kg plastic tubs.
- 0.432 t pallet, i.e. 72no 6 kg tubs.
- 0.480 t pallet, i.e. 24no 20 kg tubs.

CONSUMPTION

1st coat: **PRB COLOR SILOXANE** diluted with 2 to 5 % water: Approx. 66m² per 20kg tub based upon 300 g/m².

2nd coat: **PRB COLOR SILOXANE** undiluted: Approx. 66m² per 20kg tub based upon 300 g/m²
Approximately 600 g/m² minimum for both coats or approx. 33m² per 20kg tub.

N.B.: These consumptions are given as guidance only based upon a medium porosity, flat and smooth surface substrates.

COLOUR: PRB and Sun + 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:
G₃ E₃ S₁ V₁ W₃ A₀ C₀



USAGE GUIDE

WHERE TO USE?

- **PRB COLOR SILOXANE** is used on interior and exterior walls for new build and refurbishment applications.

SUITABLE SUBSTRATES

INTERIOR & EXTERIOR:

New and existing substrates:

- ✓ Concrete.
- ✓ Concrete blocks, bricks, render.
- ✓ Traditional lime based renders.
- ✓ Plaster on interior walls only.
- ✓ Textured surfaces.
- ✓ Feature decorative stonework e.g. cornices, corner blocks, bands, etc.

PROHIBITED SUBSTRATES

- ✗ Floors
- ✗ Horizontal surfaces (except for string bands, cornices, limited width window sills etc. and the undersides of balconies).
- ✗ Metals, timber, plastic materials, glass, ceramics or similar non porous substrates.
- ✗ Waterproof coatings.

For other substrates, please contact the PRB technical department.

PROPERTIES

PRB COLOR SILOXANE has:

- Excellent water vapour permeability and breathability.
- Very good surface hardness.
- High covering properties.
- Very good resistance to soiling and micro-organisms.
- Excellent resistance to aggressive environments.
- Ideally suited to coastal or high exposure locations.
- Excellent UV resistance.

APPLICATION CONDITIONS

PRB COLOR SILOXANE must not be applied:

- When the temperature is less than 5°C or higher than 30°C.
- On frozen and / or thawing substrates.
- At a humidity level in excess of 80% (rain or fog) or when it is damp – Wash off is likely to occur.
- When there is a hot dry wind (the accelerated evaporation causes increased drying and can lead to the appearance of joints, shadow lines etc.
- Do not apply if there is a possibility of rainfall before curing, as wash off could occur.
- On damp substrates as permanent or intermittent surface blistering can occur – (this can appear after initial drying or after rainfall).
- Ensure an elevation is covered in a single application to avoid joint marks. Work using fresh on fresh product.
- 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 should be observed.
- For large areas it is recommended to use a spray applicator for ease of application.

TECHNICAL SPECIFICATIONS

COMPOSITION

- Siloxane resin.
- Acrylic copolymer in dispersion.
- Titanium dioxide.
- Calcium carbonate.
- Specific additives.
- Water.

PRODUCT

- Appearance: Ready to use liquid.
- pH: 9.4 ± 0.5
- Density: 1.5 ± 0.05
- Dry extract weight: $67 \pm 2 \%$
- Resistance to water vapour sd H2O: 0.05 m for a theoretical thickness of 155 μm .
- Permeability to water vapour: 400 $\text{g}/\text{m}^2.\text{d}$, or 17 $\text{g}/\text{m}^2.\text{h}$.
- Water absorption coefficient w: 0.04 $\text{Kg}/\text{m}^2.\text{h}0.5$.
- Dry to the touch: 2 hours.

APPLICATION

SUBSTRATE PREPARATION

- Substrates must be dry (the moisture content should be 12 – 14% – Test with a moisture meter), clean, free of dust and contaminants, stable, with all surface defects repaired beforehand.
- Treat substrates contaminated by moss and other green staining using **PRB ACTI FLASH**.
- Adjacent surfaces must be protected from splashes or potential damage, e.g. metal surfaces, wood, glass, etc.
- In the case of large surface areas, to avoid risks of joints appearing, the surface to be painted must be covered in a single application or where possible stopped at a break line in the facade e.g. cornice, corner return, etc.
- If in doubt, contact the PRB Technical Department.

SCAN THE QR CODE BELOW
TO FIND THE MATERIAL
QUANTITY NEEDED



APPLICATION

PRODUCT PREPARATION:

- Mix the product thoroughly using a low speed paddle mixer (500 rpm.).

USE:

- **PRB COLOR SILOXANE** can be applied by brush, roller or by spraying.
- First coat of paint diluted with 2 to 5 % of clean water. The dilution must be consistent throughout the application in all tubs.
- Leave to dry for 8 to 24 hours, depending on weather conditions. The second coat must be applied when the first coat is dry to the touch.
- Second coat applied neat, perpendicular to the first coat.
- To create an even finish, ensure the roller or brush is not overloaded with paint and an 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 occurred then leave to dry and apply a further coat.
- **PRB COLOR SILOXANE** is ready to use, any additives other than water are prohibited and will void the manufacturer's guarantee.

N.B.: Tools are to be cleaned in cold water.

HEALTH & SAFETY

- Not harmful during normal use but check for any allergic reactions. Wear suitable protective clothing, gloves and eye/face protection.
- Generally considered non hazardous.
- 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 – August 2025

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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