

PRB COOL+ ROOF BASE



FIXATIVE PRIMER OF THE PRB COOL+ ROOF HEAT-REFLECTING SYSTEM

The +s of PRB COOL+ ROOF BASE

- + High heat-reflecting properties: improves indoor comfort in summer
- + Excellent adhesion to the substrate
- + Suitable for a wide range of substrates
- + Prevents bitumen build-up
- + Easy to use, single-component product

PACKAGING

- Metal bucket with eco-packaging: 25 kg.
- 300 kg recyclable drums.



STORAGE LIFE

12 months - in its unopened original packaging.

CONSUMPTION/USE for 2 coats depending on the substrate

- Smooth substrates: 450 g/m² for 1 coat
- Ribbed membrane: 650 to 750 g/m² for 2 coats
- Bitumen membrane: 900 g/m² for 2 coats

COLOUR: White.

French Standard T 36-005: Category I - Class 7b2



AREA OF USE

USES

PRB COOL+ ROOF BASE is a multi-purpose base coat that provides reflective properties and excellent adhesion before applying PRB COOL+ ROOF TOP from the PRB COOL+ ROOF system.

SUITABLE SUBSTRATES -

Exterior:

Roofs or terraces with a minimum slope of 3% made from:

Smooth substrates: Pre-painted sheet metal (steel sheets), sanded and degreased plastics and non-ferrous and galvanised metals.

Structured substrates: Bitumen membrane, bitumen derivatives, Shingle, cement tiles, concrete and asbestos cement sheets. For other substrates, please contact us before use.

PROHIBITED SUBSTRATES

- Do not apply to PVC, EPDM and TPO membranes.
- Do not apply in areas where water stagnates.

- Max. humidity: 80%.
- Substrate moisture content: <5% by mass.
- Do not apply in rain, fog, winds in excess of 30 km/h or if the surface is too hot, wet or frozen.

APPLICATION CONDITIONS

- Apply to clean, sound roof surfaces, free from damp, moisture, flashing or any other substance that could interfere with the proper adhesion of the paint.
- Substrate temperature limits: 10°C < T < 45°C.

TECHNICAL CHARACTERISTICS

INGREDIENTS

- Waterborne acrylic copolymer.
- Specific additives.
- Specific mineral fillers.
- Reflective pigments.

PRODUCT

- Appearance: Fluid
- pH: 8.5 ± 0.5
- Density: 1.5 ± 0.05
- Dry extract: 72 ± 2
- Coating: wait at least 24 hrs before applying the PRB COOL+ ROOF TOP finish.

PRB COOL+ ROOF BASE - Performances:

- SRI (Solar reflectance index – ASTM E1980): 116.
- TSR (Total Solar Reflectance – ASTM E903): 92.5%.
- Thermal emissivity (NF EN 15976): 88%.

UTILISATION

PRODUCT PREPARATION

The substrate must first be inspected by the project owner or their representative in accordance with the standards, trade rules and French DTUs in force for all types of roofing (NF DTU 20.12 / NF P10-203; DTU 43.5 / NF P84-208-1).

Points to look out for to ensure a clean and compliant substrate:

- Check for and repair any leaks, avoid flash areas and ensure that water drains freely from the surface (no stagnant water).
- Remove any loose or flaking products by brushing, sanding, scraping, dusting, etc.

- Apply an anti-algae, lichen and fungi treatment and pressure wash the surface with PRB ACTIFLASH to remove any green growth and moss.
- Treat any corroded surfaces with PRB PASSIVANT ACIER.

As a general rule, after preparation, substrates must be sound, clean, adherent and dry before applying PRB COOL+ ROOF BASE, which should only be applied in the right climatic conditions.

PRODUCT PREPARATION

This product is a ready-to-use product Mix PRB COOL+ ROOF BASE at a slow speed to avoid the formation of bubbles.

APPLICATION

Once the entire surface has been checked for compliance with the applicable DTUs and trade rules, PRB COOL+ ROOF BASE can be applied with a spray gun (airless or similar), respecting the nozzle sizes and weights, or with a roller.

During application, keep buckets out of the sun as much as possible. Wait 24 hrs between applications of the PRB COOL+ ROOF system.

- Airless paint sprayer: nozzle sizes: 417 / 419 / 517 / 519 / 617 / 619

- Brush or facade roller (hair length: 18/20 mm)

NB: Clean tools with clean water. The water used for rinsing tools must be recovered and treated and must not be released into the environment.