

The PRB STYLDÉCOR +

- + Application via mechanical spraying and/or manually
- + Patterned or stencil finishes (see PRB STYLDÉCOR accessories in the "Sculptured mortars and renders" brochure)

KEY PRODUCT INFORMATION

- 25 kg paper bag.
- 1.6 t pallet, i.e. 64 25 kg bags.

STORAGE: 12 months

CONSUMPTION

- Consumption varies depending on the substrate (type, flatness, roughness).
- **Minimum 10 mm thickness 14.5 kg/m²**
Depending on the thicknesses used, cornices and imitation stone joints to be created, use a rule of 3.

COLOUR: 100 PRB and Sun + colours.



EN 998-1 Type OC2
Class II



USAGE GUIDE

WHERE TO USE?

- Exterior or interior walls on all types of housing, office or industrial buildings.
- DTU 26.1 P1-1, P1-2 and P2 Mortar render work.
- DTU 20.1 Small wall element masonry structures.
- DTU 21 Creating concrete structures.
- DTU 23.1 Poured concrete walls.
- DTU 22.1 Large sized external walls of the solid or grooved panel type in ordinary concrete.

APPLICATION CONDITIONS

- Between 5°C and 35°C.
- Do not apply on substrates that are frozen or thawing, hot or exposed to full sunlight, soaked or exposed to driving rain and strong winds.
- Avoid applying intense shades (dark range) at temperatures < 8°C and in very damp conditions (increased risk of efflorescences or carbonation).

AUTHORISED SUBSTRATES: RT2, RT3

New masonry:

- ✓ Breeze block or brick (DTU 20.1) built using traditional or thin joints.
- ✓ Poured concrete (DTU 23.1).
- ✓ Cement and rough render under-coats (DTU26.1).

Existing masonry with good mechanical properties:

- ✓ Quarry stone, stone, brick, DTU 26.1.
- ✓ Existing unpainted cement and/or rough mortar renders.
- ✓ Existing unpainted single-coat renders.
- ✓ Other substrates please contact us.

PROHIBITED SUBSTRATES

- ✗ All Gypsum based substrates (Plaster), plaster board.
- ✗ Paints, T.P.C.
- ✗ Directly on wood.
- ✗ Unprotected horizontal or pitched surfaces.

TECHNICAL CHARACTERISTICS

COMPOSITION

- Binders (white cement, natural hydraulic lime, calcium lime).
- Fillers, sand and quartz aggregates.
- Water retention agents, setting regulators.
- Waterproofing compound, mineral pigments stable in light.

APPLICATION

- Mixing rate: 24 to 26 %
- Mixing time: 3 to 7 min
- Batch life time: 60 min. max.
- Out of water time: 4 to 6 h
- Time between applications: 1 to 48 h
- Max. thickness per layer: 20 mm
- Max. thickness used: 30 mm

N.B.: These values are standard laboratory or site testing values. The preparation conditions and the type and wear of the material used may modify them significantly.

PRODUCTS

POWDER:

- Grading: 2 mm

PASTE:

- Water retention: 95 to 97 %
- pH (alkaline): 12.5 ± 0.5

USE:

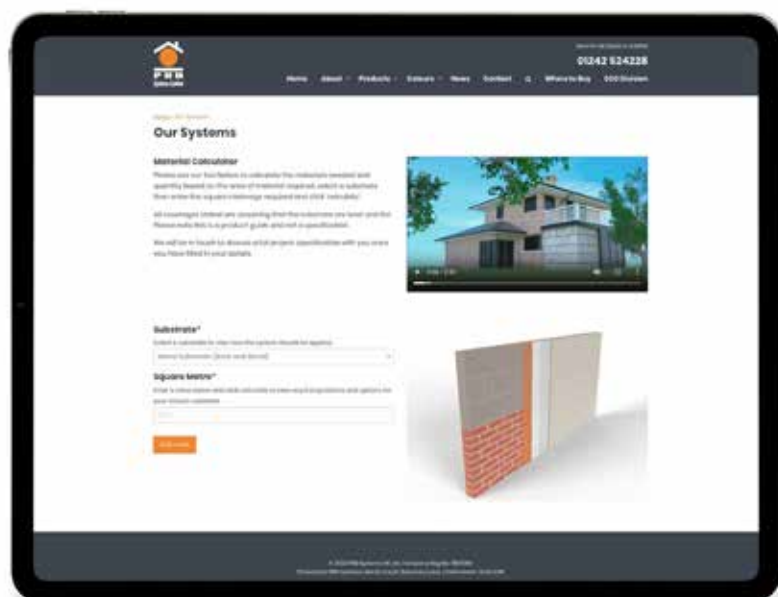
- Mixing rate: $25 \pm 2\%$

COMPOUND PERFORMANCE IN HARDENED CONDITION:

- Density: 1.2 to 1.6 t/m³
- Modulus of elasticity: 3,500 to 7,000 MPa
- Bending strength: 2 to 3.5 MPa

RENDER PERFORMANCE AS PER EN 998-1.

- Compression strength: CS II (1.5 to 5 N/mm²)
- Water permeability after freezing: $< 1 \text{ cm}^3/\text{cm}^2$
- Permeability to water vapour. (coef): $\mu < 20$
- Thermal conductivity (λ 10, dry): 0.54 W/mK (tabulated value)
- Durability/adhesion after freezing/Rupt: $> 0.2 \text{ N/mm}^2$ A or B or C
- W2 water absorption: $C < 0.20 \text{ kg/m}^2.\text{min}^{0.5}$
- Fire behaviour (non-combustible): A1 (M0)



SCAN THE QR CODE BELOW
TO FIND THE MATERIAL
QUANTITY NEEDED



PREPARATION

1. PREPARING THE NEW OR EXISTING SUBSTRATE

- Substrates must be clean, free of dust, stable, re-filled beforehand if significant chips or splinters are detected.
- During hot weather and/or dry or sensitive winds, to prevent the risk of render dehydration, the substrate must be sprayed to saturation the day before application and wet again if necessary before application.

2. PREPARING THE RENDER

Mortar spraying pumps, concrete mixers (discontinuous mixers)

- Mix **PRB STYLDÉCOR** with 6 to 6.75 l of clean water per 25 kg bag for 5 min.
- The water dosage and the mixing time will be as consistent as possible to guarantee the evenness of the shade throughout the application.
- Similarly, when using batches with different dates, these should be mixed proportionately to avoid possible variations in shade.

3. SPRAYING EQUIPMENT SETTINGS

Mortar pump

- Water pressure setting: 12 to 16 bars
- Paste operating pressure: 18 to 24 bars
- Lance output flow rate: 12 to 15 l/min
- Spray nozzles (min. Ø): 12 mm

Spray pots

- Air pressure: 6 to 8 bars

Manual

- The product can be applied manually by projecting trowel loads of very plastic consistency mortar, each load slightly overlapping with the previous one, the base coat is levelled by smoothing the render with a rule.

SPRAY APPLICATION AND MANUAL SCULPTING

Please refer to the specifications.

A Case of concrete block or terracotta masonry elements

B Case of concrete masonry and rendered masonry

C Creation of corner chaining

D Rendered cornice body

E Creation of patina and shades of colours

F Finish by manual sculpting without accessories

Or,

G Apply a stencil before creating the finish by manual sculpting

APPLICATION BY SPRAYING AND APPLICATION OF A PATTERN

A Case of concrete block or terracotta masonry elements:

- If necessary, wet the substrates ½ an hour before application.
- Apply a general base coat from 8 to 12 mm thick on the surface to be imprinted using a rough levelled finish.
- This base coat is designed to weatherproof the substrate.

B Case of concrete masonry and rendered masonry:

- If necessary, wet the substrates ½ an hour before application.
- Create a base coat first to guarantee the adherence of the cornice render composed of **PRB STYLDÉCOR** of which the mixing water has been previously mixed with ½ litre of **PRB LATEX** per 25 kg bag. Or,
- **PRB ACCROFIX POUDRE** (ready to use rough coat).

PREPARATION (continued)

C Patterned finish:

- Once the base coat or rough coat has set (after a few hours, or the next day) spray the **PRB STYLDÉCOR** render and level it using a serrated level and smooth it using a knife.
- *1 For a rectangular facade, take the level from the top along the entire length of the facade and apply the pattern downwards.
- *2 For gables, take the level from the bottom of the gable triangle and apply the pattern to the rectangular part downwards.
- *3 For the triangular part of the gables, apply the pattern towards the top.

NB: to favour demoulding and avoid the pattern sticking:

- Micro sand the render surface using PRB NE 34 sand (25 kg bag) sprayed using a compressed air machine.
- We do not recommend the use of liquid release agents, as these can alter the render colour.
- Apply the pattern at the previously marked level, roll using a smoothing roll, then remove.
- Repeat the operation along the line as many times as necessary.
- Offset the 2nd row so that the patterns are different on each row.
- Remove the pattern and directly move on to the 2nd row.

SPECIAL AREAS

- Fractioning may be required depending on the structure and the surfaces to be created in order to limit shrinkage and expansion.
- Respect structural expansion.
- Protect sharp horizontal angles using added structures (acroterion covers, window sills, top protection, etc.) to prevent water from penetrating the Styldécor render/substrate interface.

NOTE: The use of **PRB STYLDÉCOR** is not designed for immersion, for use in-ground or for unprotected horizontal use.

PRECAUTIONS FOR USE

- Contains cement and/or lime.
- Read the regulatory labelling on the package and read the safety data sheet before using.