PRB RÉNOMUR TOP

BASECOAT FOR PAINTED SUBSTRATES

READ IN CONJUNCTION WITH THE PRB RÉNOMUR TOP SYSTEM TECHNIQUES INFORMATION SHEET

Benefits of the PRB RÉNOMUR TOP

- Ideally suited for sound well adherred painted facades
- Can receive a wide range of mineral and organic finishes
- Paint and thick paint coating refurbishment without stripping
- Avoids stripping of the paint coatings, managing site waste
- Avoids the use of harmful and polluting solvents

KEY PRODUCT INFORMATION

- 25 kg paper bag.
- 0.98 t pallet, i.e. 42 no 25 kg bags

CONSUMPTION

Consumption rates provided are for flat and level surfaces and will vary according to the substrate conditions.

4 mm thick - 4.1m² / 25 kg bag
5 mm thick - 3.3m² / 25 kg bag
6 mm thick - 2.7m² / 25 kg bag
As a guide, approx. 1.5 kg/m²/mm i.e. 3 to 6 kg/m² for 2 to 4 mm.

COLOUR: Off-white

STORAGE: 12 months

USAGE GUIDE

WHERE TO USE?

- Existing exterior walls, painted or not.
- The **PRB RÉNOMUR TOP** system is designed for use on both domestic and commercial properties but to ensure the product is suitable for the substrate we would advise you to contact PRB and obtain a PRB specification.
- **PRB RÉNOMUR TOP** is a white base coat used for the refurbishment of facades that have an acrylic painted or thin coat render system applied to a hydraulic render or masonry substrate.
- **Technique sheet:** To check the suitability of the painted substrate, always follow the guidance on the **PRB RÉNOMUR TOP** system technique sheet and follow the Diagnosis and Adhesion Test guidelines prior to application.
- Always check and follow the application guidance notes for the designated topcoat finish detailed in the associated coatings opposite.

SUITABLE SUBSTRATES

✓ On sound masonry and concrete, old hydraulic render that is well adhered, sound and in good condition.

✓ Organic coatings e.g. acrylic paint, thick paint coatings of which the appearance and characteristics are indicated in the **PRB RÉNOMUR TOP** system technique sheet.

ASSOCIATED COATINGS

- Thick hydraulic finishes from PRB:
  - **PRB SUPERBRUT**
  - **PRB FINICHAUX**
  - **PRB ALG GRAIN FIN**
  - **PRB 6000R**
  - **PRB BELLE ÉPOQUE FINITION**
  - **PRB OZÉ**
- Thin coat organic and mineral textured finishes:
  - **PRB CRÉPITAL**
  - **PRB CRÉPOXANE F or M**
  - **PRB CRÉPISIX M**
  - **PRB CRÉPIMUR F or M or G**
  - **PRB CRÉPIMUR SOUPLE M or G**
  - **PRB CRÉPIRIB F or G**
  - **PRB CRÉPILIS SC AND F**
  - **PRB CRIXATE**
  - **PRB RÉVOMUR M**
- Paint finishes:
  - **PRB COLOR ACRYL, PRB COLOR SILOCRYL, PRB COLOR SILOXANE, PRB COLOR SILOFLEX, PRB COLOR MINERAL PLUS**

Consult the technical data sheet for the selected coating and the **PRB RÉNOMUR TOP** system technique sheet.

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.
- Follow the existing expansion / day joints.

TECHNICAL CHARACTERISTICS

COMPOSITION

- Hydraulic binders CPA CEM I, natural hydraulic lime NHL.
- Silica fillers, sandstone fillers.
- Fibres, powdered adherence resins, rheology additives.

PRODUCT

- Colour: Off-white.

MIXED PRODUCT:
- Density: 1.5 ± 0.1
- pH: 12.5 ± 0.5

PERFORMANCE WHEN HARD:
- Adherence on concrete: > 0.3 MPa

APPLICATION
- Pot life: 120 mins.
- Drying time before applying a thick hydraulic render: 24 h to 72 hrs.
- Application thickness: 2 to 6 mm.

N.B.: These values are laboratory testing values determined using the applicable technical guides. The preparation conditions may modify them significantly.

APPLICATION

SUBSTRATE PREPARATION

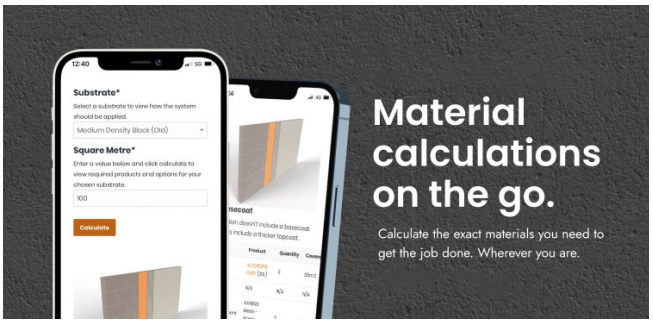
- Always refer to the **PRB RENOMUR TOP** technique sheet and follow the Diagnosis and Adhesion Test guidelines prior to application.

PRODUCT PREPARATION

- Mix using a low speed electric mixer or spray render machine using 5.5 to 6 litres of clean water per 25 kg bag, until a consistent mixture is obtained.

HEALTH & SAFETY

- Contains cement and lime
- 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.



SCAN THE QR CODE BELOW TO FIND THE MATERIAL QUANTITY NEEDED

APPLICATION (Manual or using a machine)

Clean, sound, fine, smooth and painted substrates:
(No cracks or flaking)

- Apply **PRB RÉNOMUR TOP** render in 1 pass 2 to 4 mm thick, then to receive a hydraulic finish, use a V6 serrated float or comb, over the surface and leave to dry, or to create a smooth finish for a thin coat system float the finish with a smoothing spatula to create a smooth, level and flat finish.

Clean, sound, irregular, rough and painted substrates:
(No cracks or flaking)

- Apply a first pass of **PRB RÉNOMUR TOP** to flatten the substrate, then a second pass 2 to 4 mm thick using a V6 serrated float or comb for a hydraulic finish and leave to dry or or to create a smooth finish for a thin coat system float the finish with a smoothing spatula to create a smooth, level and flat finish.

Irregular painted substrate (with crazing, repaired cracks):

- Spread a 2 - 4 mm first coat of **PRB RÉNOMUR TOP** using a smoothing float sufficient to cover the irregularities and embed **PRB AVN MESH** within the render ensuring the mesh is fully encapsulated.
- The **PRB AVN MESH** must be applied throughout with a minimum 100 mm overlaps.
- Spread a second coat to finish coating the reinforcement and obtain a thickness of about 5 - 6 mm, finished using a V6 serrated comb or smoothing trowel as detailed above.
- This operation can be carried out immediately after the first coat.
- Leave to dry 24 hours before applying the thick hydraulic render finish.
- Before applying a thin coat or new paint finish ensure the substrate is fully dry otherwise any trapped moisture could affect the new finish causing surface blistering.

01242 524228
technical@prbsystems.co.uk
www.prbsystems.co.uk
Montis Court, Bouncers Lane, Cheltenham, GL52 5JW

PRB RÉNOMUR TOP

SYSTEM TECHNIQUE SHEET - RENOVATION SYSTEM

DEFINITION

PRB RÉNOMUR TOP is designed:

- For use on exterior substrates either unpainted or painted with acrylic paints, thick acrylic coatings or coated with an old floated, ribbed or rolled thin coat acrylic render, subject to them having an adhesion report issued either by the use of the 'Diagnosis form' at the end of this document and / or by a video record of the pull off tests - This can be recorded via a mobile phone and submitted to PRB to produce a specification or prior to application.
- Ensure that several pull off tests to all facades at different locations are conducted.
- As a refurbishment and bonding mortar for the renovation of sound but not delaminating old hydraulic cement or lime based

PRB RÉNOMUR TOP is composed of:

- An intermediate (white) base-layer, either reinforced or not, applied:
  - At a thickness of 2 to 6 mm in 1 or 2 serrated finish layers using a 6 mm serrated or tiler's float, then covered by a thick hydraulic render.

Or

- At a thickness of 2 to 6 mm in 1 or 2 smooth finish layers, then covered by a thin organic or mineral coating or paint.

SUITABLE SUBSTRATES

PAINT FINISHES *1 and *2

✓ That has a surface condition that is:
- Regular: Smooth.
- Irregular: Coarsely or finely scratched, sprayed roughcast, tyrolean etc.

THIN COAT FINISHES *1 and *2

✓ That has a surface condition that is:
- Regular: Smooth.
- Irregular: Coarsely or finely scratched, sprayed roughcast, tyrolean etc.

*1 (On traditional render and/or single-coat render applied on masonry (concrete blocks, brickwork, etc. and/or cast concrete walls.)
*2 (On levelling mortars on, and/or directly on cast concrete walls.)

PRB RENOMUR TOP System techniques:

- Applicable on sound, healthy facades where no areas of the base render under the paint or thin coat acrylic finishes have come loose, peeling, delaminated and/or are damaged.

- Do not use on facades surfaces which have loose, delaminated and/or damaged and/or damp areas of render, which have saltpetre under the paint or thin coat finishes.

- For old substrates (stone or weak mortar constructions) rendered and then covered with paint or a thin coat finish: Contact PRB.

PROHIBITED SUBSTRATES

✗ External Wall Insulation systems (EWI), painted or thin acrylic coated plaster or plaster/lime render, whitewash, silicate-based thin coat mineral finishes, graffiti prevention coatings, water repellent coatings, substrates with several coats of paint, glycero/oil based paint whether gloss or not, semi-thick coatings, waterproofing paint, flexible resilient paints, below DPC/ground substrates affected by rising damp and/or saltpetre.

APLLICATION ADVICE

DIAGNOSIS AND ADHESION TESTS

DIAGNOSIS: MANDATORY

Refer to, follow and use the Diagnosis sheet at the end of this document.

ADHESION TESTS: MANDATORY

Refer to, follow and use the Diagnosis sheet at the end of this document.

VISUAL APPEARANCE

CHECK FOR:

- Micro-cracks and crazing cracks: < 2/10th mm.
- Cracks > 2/10th mm but < 20/10th mm.
- Wide cracks: > 20/10th mm.

SOILING AND MICRO ORGANISMS

REMOVE BY POWER WASHING & USING PRB ACTI FLASH:

- Biological (soiling, green staining, etc.)
- Urban pollution (exhaust fumes, atmospheric pollution, industrial pollution, etc.)

SUBSTRATE PREPARATION

FACADE CLEANING TREATMENT

- For biological soiling: **PRB ACTI FLASH** after cleaning using a high pressure water cleaner.
- For urban pollution: Clean using a high pressure washer with the possibility of adding a detergent suitable to remove the diagnosed pollution type, followed by rinsing.

FOR HEAVY TEXTURED AND MECHANICALLY SPRAYED RENDER

Mechanically flatten the surface using a diamond disk sander to obtain 5 mm maximum hollows, then wash thoroughly to remove all sanding residue.

FOR TEXTURED PAINTED FINISHES and/or TEXTURED SURFACES

Flatten the surface using a diamond disk sander, then wash thoroughly to remove all sanding residue.

CRACK REPAIRS

- **Micro-cracking and crazing < 2/10th mm:** Leave as is.
- **Small cracks less than a 1 mm:** Open the cracks using a grinder, thoroughly remove the dust, clean with water and fill using **PRB RÉNOMUR TOP**.
- **Wide cracks greater than 1mm or that impact the masonry substrate:** Clean the crack down into the substrate over a depth of 20 to 30 mm, remove any dust, clean with water and refill using **PRB TP REPAR**.

PRELIMINARY TREATMENT OF SPECIAL ZONES

Cover with and perfectly embed a layer of PRB Rénomur Top - If required in 2 applications:

- When required use pre-meshed PVC corner beads.
- **Location:** On all external corners and on the outer window sill angles on facades.
- Pre-meshed corner beads with drip profiles (6, 10 or 15 mm).
- **Location:** On all lintels and horizontal overhangs (beams) on facades.
- Embed as a minimum 300 mm x 300mm mesh patches cut from 4 x 4 mm **AVN MESH**.
- **Location:** To be placed diagonally across the corners of all window and door openings on the facades.

PRB RÉNOMUR TOP SYSTEM APPLICATION

PREPARING PRB RENOMUR TOP

- Mix the powder with 5.5 to 6 litres of water per 25 kg bag.
- Standing time before application: 5 minutes.
- Practical workable time: 2 hours.

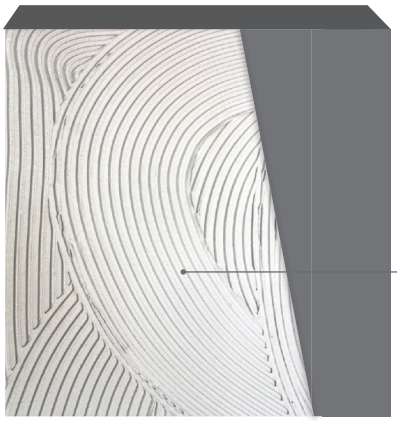
FOR RECEIVING A HYDRAULIC RENDER FINISH

Application method: Apply by hand or spray machine the **PRB RÉNOMUR TOP** render, then level and rule with a spatula / Derby and leave with a serrated finish using a 6 mm tiler's or serrated float.

SOUND, FINE, SMOOTH PAINTED SUBSTRATE

(No cracks or surface flaking)

Apply a single 2 to 4 mm layer of **PRB RÉNOMUR TOP** then level and rule with a spatula / Derby and leave with a serrated finish using a 6 mm tiler's or serrated float.

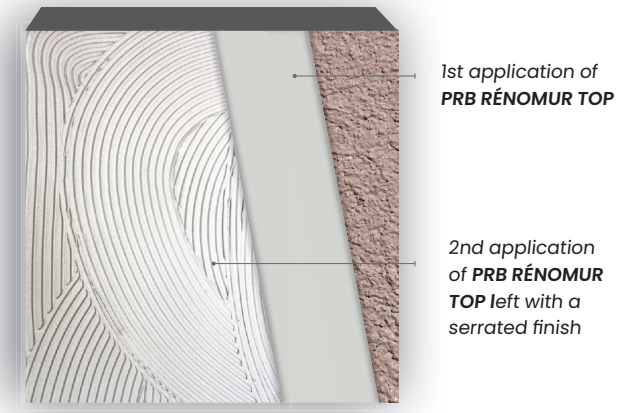


Existing sound, fine, smooth painted substrate
(no cracks or flaking)

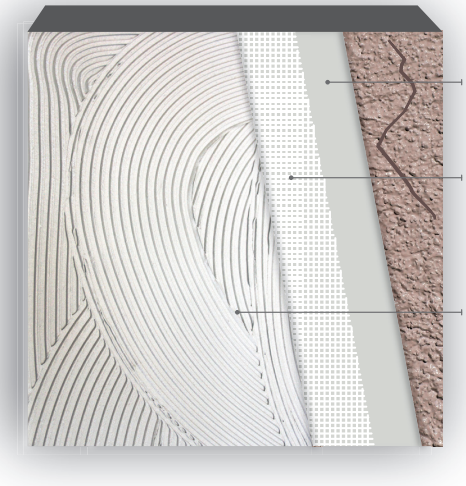
SOUND, IRREGULAR/UNEVEN SURFACE SUBSTRATE COATED WITH A THIN ACRYLIC COATING

(No cracks or surface flaking)

Apply a 1st layer of **PRB RÉNOMUR TOP** render using a spatula to level out the substrate, then apply a 2nd layer 2 to 4 mm thick and leave with a serrated finish using a 6 mm tiler's or serrated float.



Existing sound, Irregular/ uneven surface substrate covered with a thin acrylic coating
(no cracks or flaking)



Sound, Irregular/uneven substrate
(repaired crazing and cracks)

IRREGULAR/UNEVEN SUBSTRATE

(repaired crazing and cracks)

Apply a 1st layer of PRB Renomur Top render using a spatula to level out the substrate, embedding PRB AVN 4 x 4 mm glass fabric mesh in the 1st layer then apply a 2nd layer 2 to 4 mm thick and leave with a serrated finish using a 6 mm tiler's or serrated float.

Time before finishing: Depending on the drying time (must be dry to the core): from 24hrs to several days depending on the weather conditions.

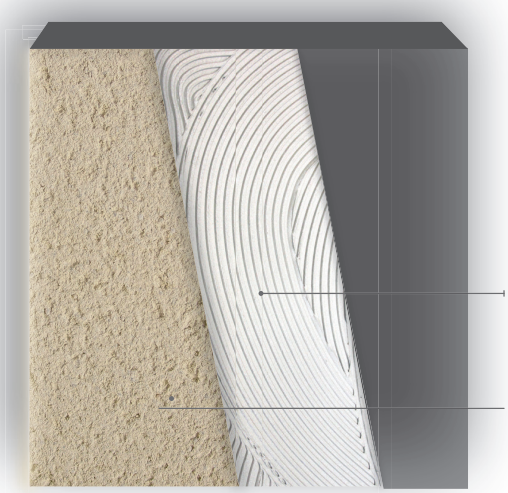
COMPATIBLE FINISHES
(Refer to the product data sheets for full details)

THICK HYDRAULIC RENDER

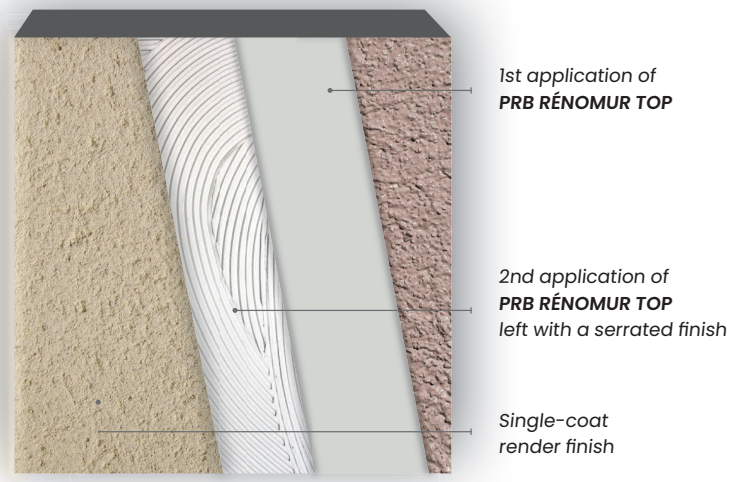
For full information of consumption, refer to the product data sheet for the selected product

Finishes	Scraped	Floated	Rustic/Roughcast
Number of layers	1	1	2
Finished thickness (mm)	10 to 15	8 to 10	10 to 12

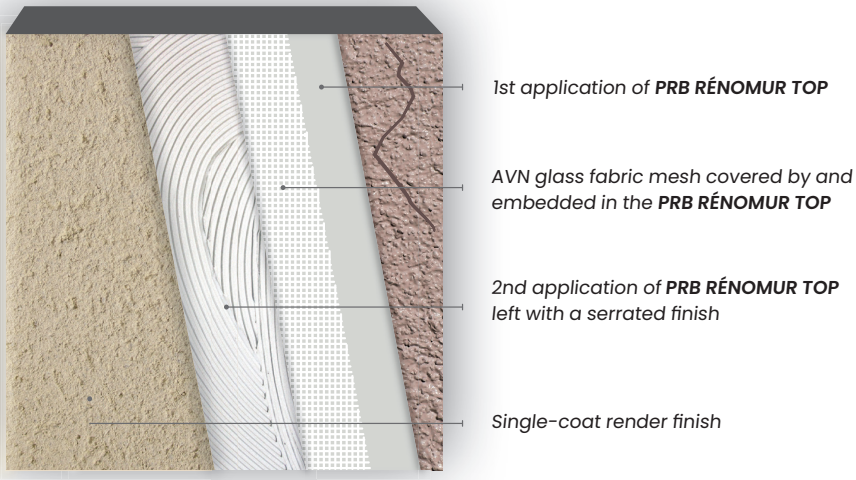
Render and Minimum consumption: kg/m².			
PRB SUPERBRUT	14.5 to 20	11 to 13	15 to 19
PRB FINICHAUX	13 to 18	11 to 15	15 to 18
PRB ALG Fin	14 to 21	11 to 13	15 to 17
PRB 6000 R	14 to 21	11 to 13	15 to 18
PRB BELLE ÉPOQUE F	17 to 25	13 to 15	17 to 19
PRB OZE	16 to 23	8 to 13	16 to 19



Sound, clean and smooth, painted substrate
(no cracks and flaking)



Sound, irregular/uneven substrate covered with a thin coat acrylic render or painted render finish
(no cracks and flaking)

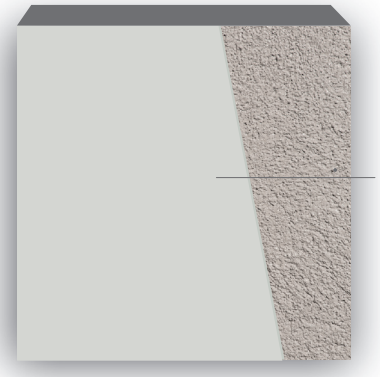


Irregular, clean/uneven substrate coated with a thin coat acrylic render or painted render finish
(repaired crazing and cracks)

FOR RECEIVING A THIN COAT ACRYLIC OR MINERAL RENDER OR PAINTED FINISH

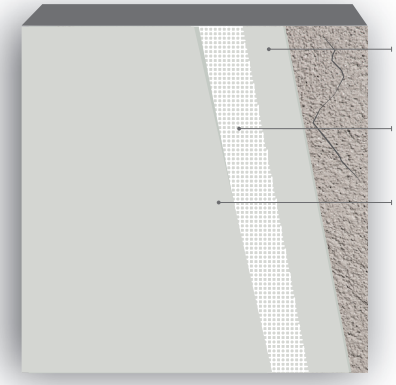
Application method: manually or mechanically, then worked using a plastic float for a smooth and flat finish.

PRB RENOMUR TOP FINISH: SMOOTH AND FLAT



*1 or 2 applications of **PRB RÉNOMUR TOP** left with a smooth and flat finish*

Sound and clean painted substrate
(no cracks and flaking)



*1st application of **PRB RÉNOMUR TOP***

*AVN glass fabric mesh embedded in the **PRB RÉNOMUR TOP***

*2nd applications of **PRB RÉNOMUR TOP** covering the AVN glass fabric mesh and left with a smooth and flat finish*

Irregular/uneven, sound and clean painted substrate
(crazed and repaired)

Time before applying the finish: Depending on the drying time (**PRB RÉNOMUR TOP** must be completely dry throughout): From 24 hours to several days depending on the weather conditions.

FINISHES

Thin coat mineral coating with a floated finish (refer to the technical data sheet for the selected finish):

PRB CREPIXATE mineral finish - **Optional**: Apply **PRB CREPIFOND MINERAL G** base primer coat: 300 g/m²
Minimum consumption:

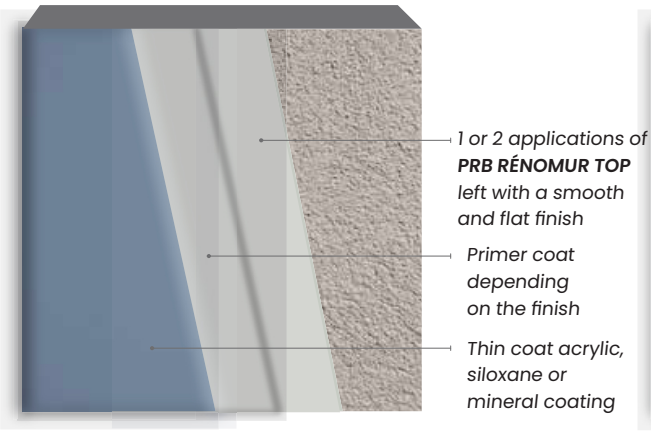
Fine finish: 2.1 kg/m²
Medium finish: 2.4 kg/m²

Apply **PRB CREPIFOND MINERAL G** base primer coat: 300 g/ m² or **PRB COLOR MINERAL +**: 2 x 250 g/m²

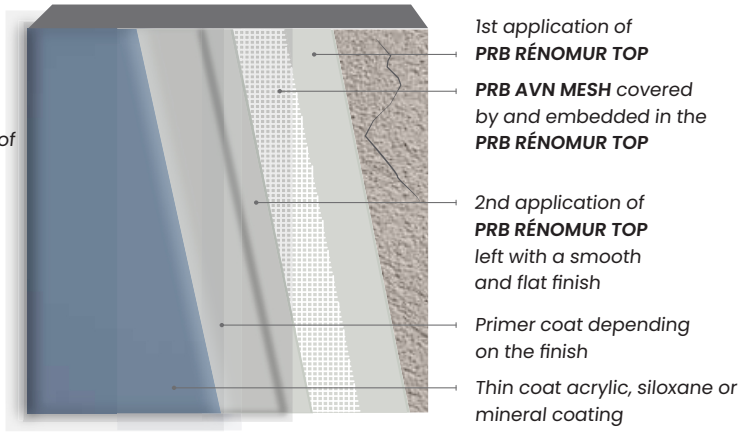
Thin coat acrylic and siloxane coatings with a floated finish (refer to the technical data sheet for the selected finish)
First apply **PRB CREPIFOND G** base primer (300 g/m²)
PRB COLOR SILOXANE: 2 x 250 g/m²
PRB CREPITAL: 2.5 kg/m²
PRB CREPOXANE: Fine grain: 2.1 kg/m² - Medium grain: 2.5 kg/m²
PRB CREPISIX M: 2.5 kg/m²
PRB RÉVOMUR M: 2.4 kg/m²

Thick paint coating (refer to the technical data sheet for the selected finish). First apply **PRB CREPIFOND G** base regulator (300 g/m²)
PRB CREPIMUR: Fine grain: 2.1 kg/m² - Medium grain: 2.2 kg/m² - Large grain: 3.5 kg/m²
PRB CREPIMUR Souple: Medium grain: 2.3 kg/m²- Large grain: 3.5 kg/m²
PRB CREPIRIB F: 2 kg/m² - Large grain: 3 kg/m²
PRB CREPILIS basecoat: 1.5 kg/m²
PRB CREPILIS topcoat: 0.8 kg/m²
PRB CREPIMUR SOUPLE F SILOXANÉ: 1.5 kg/m²
Or only as a finish: **PRB CREPILIS** basecoat : 1.5 kg/m²

Example: Thin render finish (Acrylic or Mineral)



Sound and clean painted substrate
(no cracks and flaking)

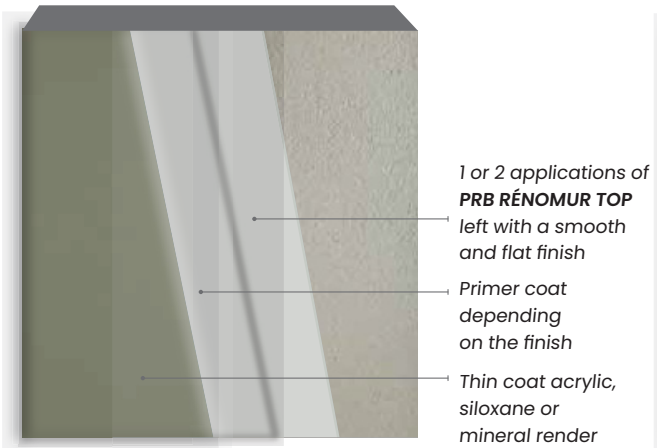


Irregular/uneven, sound and clean painted substrate
(crazed and repaired)

PAINT
(Refer to the technical data sheet for the selected finish).

Decorative paint applied on the **PRB RÉNOMUR TOP** basecoat
Application of 2 coats of undiluted paint using a roller or a brush

- **PRB COLOR ACRYL D2:** 2 x 250 g/m²
- **PRB COLOR SILOCRYL D2:** 2 x 250 g/m²
- **PRB COLOR SILOXANE D2:** 2 x 250 g/m²
- **PRB COLOR SILOFLEX D3:** 2 x 350 g/m²
- **PRB COLOR LITE HYDRO:** 2 x 200 g/m²
- **PRB COLOR MAX RÉNO:** 2 x 350 g/m²



Sound and clean painted substrate
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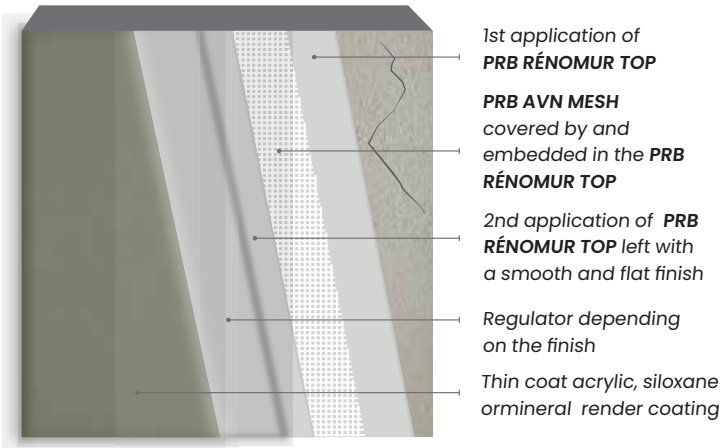
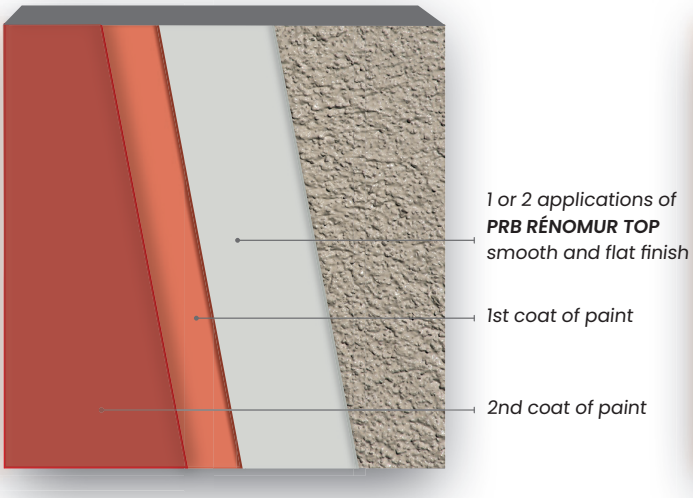
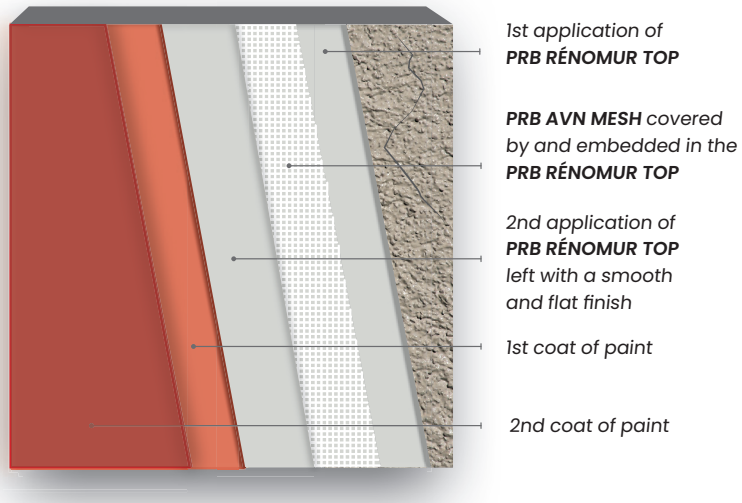


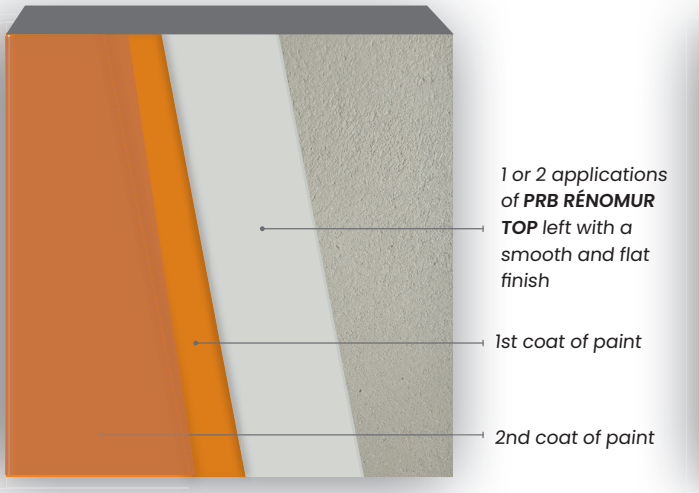
Irregular/uneven, sound and clean painted substrate
(crazed and repaired)



Sound and clean painted substrate
(no cracks and flaking)



Irregular/uneven, sound and clean painted substrate
(crazed and repaired)



Sound and clean painted substrate
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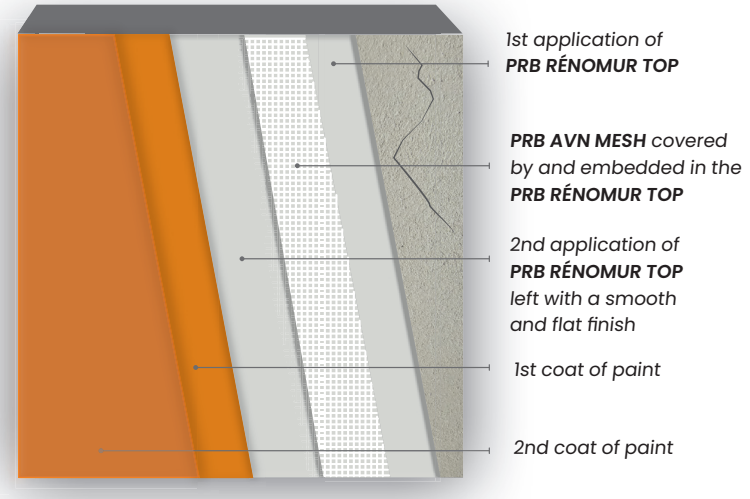

Irregular/uneven, sound and clean painted substrate
(crazed and repaired)

SPECIAL AREAS

- In order to limit risks of cracking, it is essential to provide separation joints at the interface with adjacent finishes. These can be created using mesh winged stop beads.
- At these locations, fill the joint between the bead and adjacent interface using a suitable flexible sealant.
- The building movement joints must also be followed within the render system using special profiles designed for this purpose.

HEALTH & SAFETY

- Contains cement and lime.
- 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 SUPPORT

- PRB provides a technical support service for and at its customers request that aims to give advice or assistance when a product is first used during project start-ups.
- Any demonstration or guidance provided, cannot substitute the signatory company's own liability for work on the project or structure concerned, in particular in terms of substrate suitability, acceptance or structural design.

GUARANTEES

- Manufacturer's civil and professional liability.
- The use of this product requires the knowledge of trade practices for their intended purposes and knowledge of applicable regulations.
- The recommendations and guidance in this document come from our experience which may change from time to time. Therefore, before proceeding please check that this document is still valid by contacting PRB.
- For the guaranteeto be valid, a PRB specification must be issued before the commencement of the project and must be accompanied with the pull off test dianostic check sheet.

System technique information sheet - August 2024

01242 524228
technical@prbsystems.co.uk
www.prbsystems.co.uk
Montis Court, Bouncers Lane, Cheltenham, GL52 5JW

Mandatory adhesion test diagnosis sheet:

PRB Representatives / Applicators name:

Site reference (name & address):.....

Diagnosis and test date: .....

Carried out by: Name: Address:	Contact Number: Company Name:

0: Compatibility and adhesion pull-off test: Treat a 200 x 500 mm surface area by applying Rénomur Top with AVN (4 x 4 mm) MESH, leaving 200 Mm of reinforcement mesh exposed at the bottom.

After 7 days of drying, pull the exposed reinforcement to peel off the existing render or paint system in place. If the coat of paint or thin coat render finish does not come off, this confirms the compatibility of the system with the existing coating.

1: Visual observations and hammer testing: Check the proper adhesion of the paint or thin coat render finish as well as the absence of blistering, looseness, flaking or damp both visually and by hammer testing.

2: Water run-off: Wet the existing coating surfaces; This should leave a darker shadow; If the water runs-off without leaving any traces, the coating is waterproofed or sealed and is not therefore compatible with this refurbishment system.

3: Continuous soaking: Apply a sponge soaked in water against the facade for 30 minutes, then remove it and observe the existing coating. It should not be altered, softened or blistering.

4: Folding: Use a cutter to remove a 40 x40 mm or 60 x 60 mm piece of coating and fold it. If it is flexible and does not break, it is incompatible with the refurbishment system.

5: Surface cohesion using a grid test: At least 2 tests per facade, 1 on the lower part and the other on the upper part. On 2 surfaces, one dry and the other wet, use a cutter to make a grid of 6 cuts measuring 20 x 20 mm for paint and 50 x 50 mm for thin coat finishes. Then brush the surface, test the grids and remove the detached parts using adhesive, then inspect: No squares should be detached from the grid surfaces, if they are, the coating is not compatible with the refurbishment system.

6: Burning: Heat the coating using a blow torch.
- If the coating softens and burns releasing a strong burnt plastic smell, it is an organic product.
- If the coating does not burn or release any odours, it is a silicate-based product or a lime whitewash, in which case it is not compatible with the refurbishment system.

In addition, scrape the heated coating using a painter's knife and check the coating behaviour down to the substrate.

Diagnosis comments:

	North facade	East facade	South facade	West facade
0: Compatibility and adhesion tests usingpeeling				
1: Visual and hammer testing observations				
2: Water run-off				
3: Continuous soaking				
4: Folding				
5: Surface cohesion using a grid test				
6: Burning				

Photos of each facade mandatory

Send a copy of the results to the project manager and a copy to PRB.

Suitable to render over ☐ Unsuitable for rendering over ☐ Date ☐