

PRB FONDIMUR

EASY APPLICATION FIBRED BASE COAT & ADHESIVE MORTAR

Benefits of the PRB FONDIMUR



- + Fibre reinforced basecoat suitable for thin coat systems onto render board substrates, EWI systems and ICF constructions
- + Easily to use both manually or with a spray render machine
- + Levelling and bonding of insulation boards on to the substrate
- + Suitable for a wide range of finishes



KEY PRODUCT INFORMATION

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

CONSUMPTION

- From 6 – 7m² (3.6 – 4 kg/m²) for fully bonding the EWI insulation.
- From 9 – 10m² (2.5 – 2.7 kg/m²) for spot bonding the EWI insulation.
- From 4.2 – 5.4m² (4.5 to 5 kg/m²) as a 3 – 4 mm mesh reinforced base coat.
- From 3 – 4.5m² (5 to 8 kg/m²) as a 4 – 5 mm mesh reinforced base coat.
- From 2.6 – 3m² (8 to 9 kg/m²) as a 5 – 6 mm mesh reinforced base coat.

COLOUR: White

STORAGE: 12 months

APPLICATION TEMPERATURE: 5°C – 30°C



Do not use on external wall insulation systems or render board systems for multi-storey residential buildings and buildings open to the public. This is because the product does not yet have system certification for use above 18m or where an 'A' fire rating is required. Where an 'A' rating system is required use the FONDISOL F or contact the PRB Technical department.

WHERE TO USE

- For bonding and leveling insulation panels (EPS, Mineral/Stone Wool and Wood Fibre) for EWI systems on low rise buildings.
- When adhesively bonding the EPS Mineral / Stone Wool or Wood Fibre insulation panels on new substrates (concrete, concrete blocks etc) follow the guidance below:
- EPS panels can be adhesively only fixed with the **PRB FONDIMUR**.
- For Mineral Wool / Stone Wool or Wood Fibre panels, the **PRB FONDIMUR** is used as an adhesive and must be combined with mechanical fixings to secure the insulation to the substrate.
- For bonding EPS, Mineral/Stone Wool and Wood Fibre panels to old substrates e.g. render, paint, tiling, etc use the **PRB FONDIMUR** as an adhesive combined with mechanical fixings.
- **PRB FONDIMUR** can be used for renovating existing surfaces (render, brick, etc):
- **PRB FONDIMUR** can be used on suitably level and prepared new build substrates: Concrete, concrete blocks, bricks, lightweight aircrete blocks and PRB approved render boards. Other substrates: please contact PRB.
- When used as a render board joint reinforcement and as a base coat, combine with the **PRB AVN MESH**.

ASSOCIATED INSULATION MATERIALS

- Expanded polystyrene panels **PRB ISOLOOK EPS**, **PRB ISO BD EPS**, **PRB GREY EPS**, mineral/stone wool panels **ROCKWOOL DD**, wood fibre panels, **STEICO PROTECT DRY** or other EPS, wood fibre, mineral/stone wool insulation materials approved by PRB.

ASSOCIATED COATINGS

PRB FONDIMUR is not designed to remain uncoated, so it must be covered by a thick coat mineral render finish, thin coat finish or paint finish, with some product options detailed below.

Thin coat finishes:

- **PRB RÉVOMUR***, **PRB CRÉPOXANE**, **PRB CRÉPISIX M**, **PRB CRÉPILIS FR SC & F**, **PRB CRÉPIRIB FR**, **PRB CRÉPIMUR FR**, **PRB CRÉPIMUR FR SOUPLE**, over a primer coat of **PRB CRÉPIFOND G***.

- For mineral finishes apply **PRB CRÉPIXATE** over a primer coat of **PRB CRÉPIXATE MINERAL PLUS** or **PRB CRÉPICHAUX FR SC ET F** over a primer coat of **PRB CRÉPIXATE MINERAL PLUS**.

Paint:

- **PRB COLOR SILOCRYL**, **PRB COLOR SILOXANE**, **PRB COLOR ACRYL FLEX FR** or for mineral finishes, **PRB COLOR MINERAL G**.

Thick hydraulic finishes and bascoats when the **PRB FONDIMUR** for use on masonry substrates:

- **PRB SUPERBRUT**, **PRB FINICHAUX**, **PRB BELLE EPOQUE FINITION**, **PRB SC GRIS**, **PRB BELLE ÉPOQUE SOUS ENDUIT**.

PLEASE NOTE:

- **PRB FONDIMUR** must not be used with the **PRB THERMOLOOK**.

***APPLICATION BENEFIT:** When using **PRB FONDIMUR**, for lighter shades the **PRB RÉVOMUR** can be used without the use of a primer but must be used for darker shades e.g. Belfast, Caucase, Maldives, Mexico as examples. If you are unsure use the **PRB CRÉPIFOND G** primer.

APPLICATION CONDITIONS

PRB FONDIMUR must not be applied:

- When the temperature is less than 5°C or higher than 30°C.
- 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 fast drying out 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).
- For large areas it is recommended to use a spray applicator for ease of application.

TECHNICAL CHARACTERISTICS

COMPOSITION

- Fluid hydraulic binders, natural hydraulic lime NHL.
- Silica fillers, sandstone fillers.
- Fibres, powdered bonding resins, rheology additives.

PRODUCTS

MIXED PRODUCT:

- Density: $1.5 \pm 0.1 \text{ t/m}^3$
- pH: 12.5 ± 0.5

PERFORMANCES IN HARDENED CONDITION:

- Adhesion to EPS: $> 0.08 \text{ MPa}$
- Adhesion on concrete: $> 0.25 \text{ MPa}$

APPLICATION

BONDING/ADHESION OF INSULATION:

- Open time: $\pm 30 \text{ mins}$
- Adjustment time: $\pm 20 \text{ mins}$
- Drying time before rendering: 24 hrs
- Drying time before anchoring: 24 hrs

CAUTIONARY ADVICE:

- Apply to walls in the shade. Avoid applying to walls that have direct sunlight and take extra precautions on hot dry days to reduce the potential for dehydration of the material which will cause it to set too early before it has reached its full strength.

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

APPLICATION

NEW SUBSTRATES

- Substrates must have surfaces that are sound and clean and must not release moisture. They must also be suitably level.

PAINTED OR RENDERED SUBSTRATES

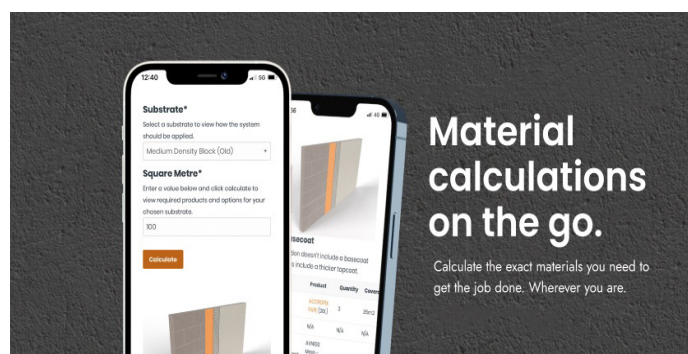
- These substrates must be sound, mechanically strong and well bonded. The paint or render must be adherent and cohesive.
- Before applying the insulation, treatment to remove moss and algae and to clean the surfaces is mandatory. Use **PRB ACTI FLASH**.

SCAN THE QR CODE BELOW
TO FIND THE MATERIAL
QUANTITY NEEDED



PRODUCT PREPARATION

- **For hand application:**
 Mix the **PRB FONDIMUR** with 6 to 6.5 litres of clean water per 25 kg bag using a low speed paddle mixer until a consistent mix is obtained then apply using a stainless steel trowel.
- **For Machine application:**
 - Mechanical: Diesel or electric pumps.
 - Water setting: minimum 15 bars.
 - Nozzle: 10 Ø nozzle
 -  – Water: 6 to 6.5 litres per 25 kg bag.



APPLICATION

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BONDING AND MECHANICALLY FIXING THE INSULATION PANELS:

- Mix and apply the **FONDIMUR** either in large dabs (5 x 150 mm diameter or 8 x 100 mm diameter per board ensuring a minimum of 50% of the insulation board is covered) together with a full perimeter band or apply the **FONDIMUR** to the whole of the surface of one face of the insulation using an 8mm notched trowel. The notched ribbon concept should be of a uniformed thickness, run vertically and reach the perimeter of the insulation board.
- Bond the insulation immediately to the wall with firm pressure. Using specific EWI mechanical fixings suitable for the insulation thickness and the substrate type are mandatory to comply with the system certification, unless an adhesive only system is specified with the EPS Insulation.
- To achieve this, 5 to 8 mechanical fixings per full size panel will be used and when bonded with dabs, must align with the centre of each dab.

NB: The anchors are fixed as soon as the adhesive mortar hardens i.e. at least 24 hours.

FOR SEALING RENDER BOARD JOINTS

- Across all board joints apply a 1 – 2 mm layer of **FONDIMUR** embedded with 100 mm wide strips of **AVN MESH**. Ensure the mesh is overlapped a minimum of 100 at all joins. Allow to cure before proceeding with the base coat.

APPLICATION AS A MESH REINFORCED BASECOAT ONTO INSULATION PANELS, RENDER BOARDS OR FLAT MASONRY SUBSTRATES

- After applying onto the substrate, use a trowel or spatula to spread a first coat of **PRB FONDIMUR**, use a serrated trowel first and then embed a layer of **PRB AVN MESH** and when additional impact resistance is required, **PRB AVR MESH**.
- **PRB AVN MESH** to be lapped a minimum of 100 mm to all edges.
- **PRB AVR MESH**, which is recommended for basements or high impact locations, should be butt jointed, then covered using **PRB AVN MESH**.
- Apply a second coat to fully embed the mesh and obtain a thickness of about 3 – 4 mm, 4 – 5 mm when using the **PRB AVR MESH**. This operation can be carried out immediately after the first coat, or

after 4 to 24 hours.

- Level and rule with a spatula and/or Darby, leaving the surface with a smooth level finish for the thin coat finishes e.g. **PRB REVOMUR***, **PRB CREPISIX M**, **PRB CREPOXANE F** or **M**.
- Leave to fully dry (the moisture content should be 12 – 14% – Test with a moisture meter) before applying the thin coat finishes or for at least 24 hours before applying the thick coat mineral finish.
- **APPLICATION TIP:** To create a smooth surface finish, apply a tight coat (less than 1 mm) topcoat to a dry basecoat (next day) with a trowel and finish with a spatula and if required finish after with a damp but not wet sponge.
- *See **APPLICATION BENEFIT** above.

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 sheet – January 2024

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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