

PRB FONDISOL PE

READY TO USE BASE COAT FOR THE PRB THERMOPATE EWI SYSTEM

Benefits of the PRB FONDISOL PE



- + Fibred and fireproofed organic ready to use mortar
- + Designed for the Thermopâte system
- + Very good resistance to impact, when embedded with double mesh (withstands 70 joules) for CAT 1 EWI systems
- + Suitable as a basecoat on approved render boards



KEY PRODUCT INFORMATION

- 20 kg plastic tub
- 0.480 t pallet, i.e. 24no 20 kg tubs.

CONSUMPTION/USE

PRB FONDISOL PE

From 5m² per 20kg tub – 4 kg/m² for use as a thin reinforced basecoat render on EPS for a thickness of 2.5 to 3 mm.

- 1st application with **PRB AVN MESH**: 6 – 8m² per 20kg tub 2.5 to 3 kg/m².
- 2nd application: 10 – 13m² per 20kg tub 1.5 to 2 kg/m².

This minimum consumption is given as an indication and may vary depending on the substrate type, flatness, roughness, equipment used to apply.

COLOUR: Off-white.

STORAGE: 18 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.

USAGE GUIDE

WHERE TO USE?

The **PRB FONDISOL PE** can be used as a thin reinforced basecoat using the **PRB AVN MESH** on render board system applications and onto specific grade EPS which forms part of the **PRB THERMOPÂTE** system.

The basecoat when dry can be coated with primer **PRB CREPIFOND F** or **G** then covered using a thin coat finish e.g. **PRB CREPISIX M**, **PRB CRÉPOXANE F** or **M**.

- On exterior walls.
- ATE – 14/0469 – PRB THERMOPÂTE.
- DTA – 7/14 – 1601 – PRB THERMOPÂTE.
- PRB THERMOPÂTE specifications.

ASSOCIATED INSULATION MATERIALS

- Certificated Expanded polystyrene insulation panels.
- Rockwool fire barrier bands **PRB LDR PLB**.
- Other insulations: Please contact PRB.

ASSOCIATED COATINGS

- **PRB FONDISOL PE** cannot remain uncoated, it must be coated using **PRB CRÉPIFOND F** or **G** primer followed by a PRB thin coat render or paint system.
- Paint finishes: **PRB CRÉPIRIB F/G FR**, **PRB CRÉPIMUR M FR**, **PRB CRÉPILIS FR**.
- Thin coat renders: **PRB CREPISIX M**, **PRB CRÉPOXANE F** or **M**.

APPLICATION CONDITIONS

- Between 5°C and 30°C.
- Do not apply on substrates that are frozen or thawing, hot or exposed to full sunlight, soaked or exposed to driving rain or strong winds (hot or not) or damp, misty conditions.
- SR Version (quick drying): Application between 1 and 15°C and Humidity < 95.

TECHNICAL CHARACTERISTICS

COMPOSITION

- Acrylic resins in aqueous dispersion.
- Lightweight silica and sandstone fillers.
- Fibres and specific additives.
- Fireproofing agent.

PRODUCT

MIXED PRODUCT:

- Apparent density: $1.6 \pm 0.1 \text{ t/m}^3$

PERFORMANCES IN HARDENED CONDITION:

- Adhesion to EPS: >0.08 Mpa.
- Time between 2 applications: “fresh on fresh” or 4 to 24 hrs.
- Drying time before finish: 24 to 72 hrs depending on ambient conditions.

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

APPLICATION

NEW SUBSTRATES

- Substrates surfaces must be flat, aligned, sound, clean and dry.
- **PRB FONDISOL PE** is not designed to be a thickly applied render..

EQUIPMENT

- Electric mixer.
- Spatula, stainless steel trowel, V6 serrated Darby or trowel.
- Clean tools with clean water.

PRODUCT PREPARATION

- **PRB FONDISOL PE** is ready to use.
- Before use, mix at low speed using a low speed electric mixer until a consistent paste is obtained.
- In hot, dry weather, a maximum of 25 cl of water can be added per 20 kg tub but always add the same amount of water to all tubs being used on the same elevation to avoid shade variations.

PRECAUTIONS

- Do not use **PRB FONDISOL PE** to bond EPS insulation.
- Drying times will be longer in cold, damp weather.

APPLICATION

ONTO EPS INSULATION.

- Apply a first coat of **PRB FONDISOL PE** using a serrated trowel, Darby, or spatula. Embed a layer of **PRB AVN MESH** throughout this coat, overlapping the mesh edges a minimum of 100 mm.
- Apply a second coat to cover the mesh and obtain a minimum thickness of about 2.5 mm – 3 mm. This operation can be carried out immediately or after the first coat has dried but within 4 hours.
- Leave to dry for at least 24 hrs before applying the **PRB CREPIFOND F** or **G** primer followed by a PRB thin coat render or paint system.

ONTO RENDER BOARD.

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

SCAN THE QR CODE BELOW
TO FIND THE MATERIAL
QUANTITY NEEDED



HEALTH AND 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 – June 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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