




# PRB FONDISOL F

FIBRED MORTAR FOR PRB EWI SYSTEM SUB RENDER



PRB FONDISOL F  
PREPARATION BONDING AND BLOCKING THE PANELS

## The PRB FONDISOL F

-  Installation of the reinforced sub-render (base coat) for EWI systems
-  Bonding and blocking of insulation panels on the substrate
-  Ready-to-mix

### PACKAGING

- 25 kg paper bag.
- 1.225 t pallet, i.e. 49 25 kg bags.

**STORAGE:** 12 months.

### CONSUMPTION

- From 2.3 kg/m<sup>2</sup> for EWI blocking + anchoring
- From 2.6 kg/m<sup>2</sup> for spot bonding.
- From 4 to 4.5 kg/m<sup>2</sup> for use as thin reinforced sub-render on EPS, for a thickness of 2.5 to 3 mm. (THERMOLOOK EMI)
- 4 to 6 kg/m<sup>2</sup> for solid EWI bonding (U9 tiler's comb).

**COLOUR:** Grey and White.

## AREA OF USE

### PURPOSE

- Bonding and blocking insulation panels (EPS and rockwool) for EWI.
- Base coat (glass fabric reinforced) for EWI on EPS or rockwool.
- Substrates: concrete, breeze blocks, bricks, cellular concrete, old coated substrates (blocking)...
- Other substrates: please contact us.
- **PRB THERMOLOOK GF and GM system:** External wall insulation system (EWI), render finish on expanded polystyrene system (EPS).  
ATE: 07/0165 and DTA 7/12-1516.
- **PRB THERMOLOOK EMI:** External wall insulation system (EWI), thin render finish on expanded polystyrene system (EPS).  
ATE: 08/182 and DTA 07/13-1557.
- ETICS installation rules.

### PRB THERMOROCHÉ:

External wall insulation system (EWI), thin render finish on rockwool.  
ATE 12/0585 and DTA 7/12-1534.

### PRB THERMOPÂTE:

External wall insulation system (EWI), thin render finish on expanded polystyrene system (EPS).  
ATE 14/0469 and DTA 7/14-1601.

### USE

#### 1) REINFORCED THIN RENDER ON EPS AND ROCKWOOL.

• **PRB FONDISOL F** is part of the PRB THERMOLOOK EMI system to create a thin render reinforced with an alkali resistant glass fabric (Thin render over insulation)

#### 2) BONDING OR BLOCKING OF EPS PANELS OR ROCKWOOL.

• New build: **PRB FONDISOL F** has a bonding function.

- Refurbishment: **PRB FONDISOL F** has a blocking function and must be combined with mechanical fixings that support the insulation system.

### ASSOCIATED INSULATION MATERIALS

- Expanded polystyrene panels **PRB ISOLOOK PSE**, **PRB ISO BD PSE** or other EPS or rockwool insulation materials. In the latter case, these panels must be ACERMI certified, or failing that, have specifications suitable for the support of a thin or thick render system over the insulation.
- Rigid, mineral wool insulating panels, suitable for render over insulation.
- Other insulation: please contact us.

### ASSOCIATED COATINGS

- **PRB FONDISOL F** cannot remain uncoated, it must be covered by a TPC or a TMC.\*

- **PRB CRÉPIRIB FR**, **PRB CRÉPIMUR FR**, **PRB CRÉPIMUR FR Souple**, **PRB MARBRO MURO**, **PRB CRÉPOXANE\***, preceded by a key coat **PRB CRÉPIFOND G**, or **PRB CRÉPIXATE FR\***, **PRB CRÉPISIX FR M**, **PRB CRÉPILIS FR SC ET F**.
- **PRB THERMOLOOK GM/GF** (as an alternative finish for the EMI system).
- **PRB CRÉPICHAX FR SC ET F**.
- **Paint:** **PRB COLOR ACRYL FLEX FR**.

### APPLICATION CONDITIONS

- Between 5°C and 35°C.
- Do not apply on frozen, freezing or thawing, and wet substrates.
- Follow the existing expansion joints.

## TECHNICAL CHARACTERISTICS

### COMPOSITION

- Hydraulic binders CPA CEM 1, natural hydraulic lime NHL
- Silica fillers, sandstone fillers.
- Fibres, Powdered adherence resins, rheology additives.

### PRODUCTS

#### PASTE:

- Density: 1.5 ± 0.1 t/m<sup>3</sup>
- pH: 12.5 ± 0.5

#### PERFORMANCES IN HARDENED CONDITION:

- Adherence to EPS: > 0.12 MPa
- Adhesion on concrete: > 1 MPa

- Fire behaviour as per EN 13501-1:

- **PRB THERMOLOOK EMI:** Euroclass B (RA16-0225)
- **PRB THERMOROCHÉ:** Euroclass A2 to B (RA16-0238)

### PREPARATION

#### FULL COAT

- Open time: ± 30 min

- Adjustability time: ± 20 min
- Drying time before rendering: 24 h
- Drying time before anchoring: 24 h

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

## PREPARATION

### NEW SUBSTRATES

- Substrates must have surfaces that are strong and clean and must not release moisture. They must also be perfectly flat.

### PAINTED OR PARGED SUBSTRATES

- These substrates must be mechanically strong.
- The paint or parging must be adherent and cohesive.
- Prior treatment to rehabilitate the preserved surfaces is mandatory (**PRB ACTIDEMOUSSE FLASH**).

### PRODUCT PREPARATION

- Mix a bag of **PRB FONDISOL F** with 5.5 to 6 litres of clean water per 25 kg bag using a low speed electric mixer until a consistent paste is obtained.

### APPLICATION

- Manual: stainless steel smoother.
- Mechanical: SP 11 or SP 19.
  - Water setting: 15 bars minimum.
  - Nozzle: 10 Ø nozzle
  - Screw rotation speed: 1/3 or even 1/2 the maximum rotation speed.
  - Water: 6.5 to 7 litres per 25 kg bag.

#### PANEL SPOT BONDING:

- Apply **PRB FONDISOL F** in blobs (6 to 8 blobs per insulation panel)
- Immediately apply the panels to the substrate and press using a level or a wooden beater.

#### ON EXISTING COATED SUBSTRATES: (PAINTED OR PARGED, ETC.)

- Mechanical fixings (suitable for the insulation thickness and the substrate type) are mandatory to provide the system with the proper strength.

- To achieve this, 6 to 8 mechanical fixings per panel will be used at the centre of each blob (refer to the THERMOLOOK system process sheet table).

**NB:** In this case **PRB FONDISOL F** has a blocking function.

The anchors are fixed as soon as the mortar blobs harden i.e. at least 24 hours.

#### APPLICATION AS A THIN, GLASS FABRIC REINFORCED SUB-RENDER.

- use a smoother to spread a first coat of **PRB FONDISOL F** and smooth an alkali resistant glass reinforcement into it with a 4 x 4 approx. mesh (PRB AVN and AVR reinforcement) depending on the technique and the required shock resistance.
- AVN reinforcements are fitted with a minimum 10 cm overlap.
- AVR reinforcements, which are recommended for basements, should be installed first with sharp edges, then

- covered using AVN reinforcement.
- Spread a second coat to finish coating the reinforcement and obtain a thickness of about 3 mm. This operation can be carried out immediately after the first coat, or after 4 to 24 hours.
- Leave to dry for at least 24 h before applying the key coat and TPC or TMC finish.
- Refer to the THERMOLOOK EMI (Thin Render on Insulation) technical sheet.
- In the case of a PRB THERMOLOOK GF/GM finish, the PRB FONDISOL F is grooved using a V6 tiler comb.

### PRECAUTIONS FOR USE

- Read the safety data sheet before using.

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