

PRB FONDISOL F

FIBRE MORTAR FOR GLUING & SETTING PANELS - PRB EWI SYSTEM



The **+** s of PRB FONDISOL F

- +** Reinforced base coat (base layer) for External Wall Insulation systems
- +** Base coat for render carrier board
- +** For gluing and setting insulation panels
- +** Can be given a thick finish (hydraulic render)
- +** Fibre-reinforced undercoating



EN 998-1 Type GP
CS category IV

PACKAGING

– Paper bag containing 25 kg.

STORAGE LIFE: 12 months.

CONSUMPTION/USE

- From 2.3 to 2.6 kg/m² for setting EWI.
- From 4 to 4.5 kg/m² used as a thin reinforced base coat on EPS, for a thickness of 3 mm. (THERMOLOOK EMI).
- 4 to 6 kg/m² for full-surface bonding on EWI (using a U9 serrated trowel).
- Application outside ETA/DTA :
Additional layer for aggregates: approx. 4 kg/m².

COLOUR: grey and white - please contact us for other colours



APPLICATIONS

AUTHORISED USE

- Exterior walls for EWI.
- As a reinforced base layer (see USES: Item 1):
– for insulating panels for EWI,
– for new exterior cladding panels*.
- For gluing and/or setting insulating panels (see USES: Items 2.1 & 2.2)
- As a reinforced base layer on external cladding panels
- For other substrates, please contact us before use.

REFERENCE DOCUMENTS:

- Technical specifications 3035 in force.
- Installation rules for ETICS EWI SYSTEMS:
– PRB THERMOLOOK GF & GM:
ETA 07/0165 & TTD 7/17-1683.
- PRB THERMOLOOK EMI:
ETA 08/182 & TTD 7/18-1716.
- PRB THERMOROCHÉ:
ETA 12/0585 & TTD 7/17-1679.
- PRB THERMOPÂTE:
ETA 14/0469 & TTD 7/14-1601.
- PRB THERMOBOIS
ETA 19/0604.

- * External cladding panels with panel application:
– Knauf Aquapanel Outdoor AT 2.2/12-1529.
 - Siniat "Defentex" gypsum-based (plaster) exterior panel - ETA-19/0690.
- For other substrates, applications and uses, please contact us beforehand.**

USES

1) REINFORCED BASE LAYER FOR INSULATING PANELS (EPS, ROCKWOOL AND WOOD FIBRE) AND ON EXTERNAL CLADDING PANELS.

2) GLUING OR SETTING EPS, ROCKWOOL OR WOOD FIBRE PANELS.

- 2.1 For new substrates (concrete, breezeblocks, bricks, aerated concrete):
- For EPS panels, PRB FONDISOL F can be used for gluing/bonding.

- For Rockwool or Wood Fibre panels, PRB FONDISOL F can be used for setting and must be combined with mechanical pins to ensure that the insulation system is secured in place.
- 2.2 For renovating existing coated surfaces (coated, painted, tiled, etc.):**
- PRB FONDISOL F can be used for setting and must be combined with mechanical pins to ensure that the insulation system is secured in place.
- 3) ADDITIONAL LAYER FOR AGGREGATES.**
See the Application section.

COMPATIBLE INSULATION MATERIALS

- PRB expanded polystyrene insulation boards or other EPS or rigid mineral wool or wood fibre insulation panels.
In any case, the insulating panels must have ACERMI certification at least equal

to or higher than the ISOLE classification indicated in our TTD.

- For other insulation materials, please contact us before use.

COMPATIBLE SURFACING MATERIALS

- PRB FONDISOL F cannot be left bare, it must be covered with a suitable finish - please refer to the ETA/TTD of the corresponding system.
- An additional layer can be applied for aggregates.

APPLICATION CONDITIONS

- Between 5°C and 35°C.
- Do not apply to frozen, thawing, wet or damp surfaces.
- Respect existing expansion joints.

TECHNICAL CHARACTERISTICS

INGREDIENTS

- Fluid binders.
- Silica fillers & limestone fillers.
- Fibres, powdered adhesion resins, rheology additives.

PRODUCTS

- PASTE:**
- Mass density: 1.4 ± 0.1 t/m³
 - pH: 12.5 ± 0.5

PERFORMANCE WHEN HARDENED:

- Adhesion to EPS (expanded polystyrene): >0.08 MPa
- Adhesion to concrete: >0.25 MPa
- Compressive strength: CS IV >6 MPa

- Reaction to fire I.A.W. EN 13501-1:
• PRB THERMOLOOK EMI:
Euroclass B (RA16-0225)
– PRB THERMOROCHÉ:
Euroclass A2 to B (RA16-0238)
• PRB THERMOBOIS
Euroclass B (RA19-0073).

APPLICATION

FOR NEW SUBSTRATES

- Surfaces must be structurally sound, clean and free of moisture. They must also be flat and even.

FOR PAINTED SUBSTRATES OR RENDER

- Painted or coated surfaces must be mechanically sound.
- The paint or plaster must have good adhesion and be adherent.
- You must first clean the existing surfaces (using PRB ACTI FLASH).

PRODUCT PREPARATION

- Mix one bag of PRB FONDISOL F with 6 to 6.5 litres of clean water per 25 kg bag with an electric mixer at a slow speed, until you obtain a smooth and even paste.

APPLICATION

- Manual application: stainless steel smoothing trowel.

- Mechanical: SP 11 or SP 19.
– Set the water pressure to: 15 bars (minimum)
– Nozzle : Ø <10 mm

GLUING PANELS (USE 2.1):

- Apply PRB FONDISOL F in dabs (9 dabs measuring approx 010 cm per 1,200 x 600 mm insulation panel).
- Immediately apply the panels to the substrate and press them down with a straight edge or wooden board.
- Adjustability time: ± 20 mins.
- Drying time before coating: 24 hrs.
- Drying time before installing wall plug fasteners: 24 hrs.

NB: These values are estimates based on laboratory tests carried out in accordance with the applicable technical guidelines. The application conditions can significantly change these values.

ON EXISTING COATED SURFACES: (PAINTED OR PLASTERED...)

- Mechanical pins (adapted to the thickness of the insulation and the type of

- substrate) must be used to ensure that the system is held securely in place.
- The mechanical pins must be placed in line with each stud, according to the diagrams provided in the TTD for our EWI systems. The wall plug fasteners should be fitted as soon as the dabs have hardened, i.e. at least 24 hrs.

APPLICATION AS A THIN, MESH-REINFORCED BASE COAT.

- Spread a first coat of PRB FONDISOL F using a smoothing trowel and embed the 4X4 alkali-resistant reinforcing mesh (PRB AVN) into the render with a minimum overlap of 10 cm.

Depending on the process and the desired impact resistance, the PRB AVN reinforcement fabric can be doubled or combined with a stronger reinforcement (PRB AVR).

- The AVR reinforcement, which is recommended for bases, plinths, sub frames etc., should be laid first, with seamless joints, and then covered by the AVN reinforcement.

- Apply a second coat to fully embed the mesh and obtain a thickness of approximately 3 mm. This can be applied immediately after the first coat, or after 4 to 24 hrs.
- Allow to dry for at least 24 hrs before applying a thin coat or mineral thin coat.
- When finishing with PRB THERMOLOOK GF/GM, the second layer of PRB FONDISOL F should be left notched, using a V6 serrated trowel, to improve its grip.

Aggregate finish:

Apply a coat of PRB FONDISOL F with a serrated trowel to ensure good adhesion of the aggregates. Smooth this coating and then immediately spray on the aggregates. Non-ETA/TTD finish.

PRECAUTIONS FOR USE

- Please read the safety data sheet before use.