

# PRB THERMOLOOK GF/GM

HYDRAULIC FINISH RENDER

ON EXTERNAL THERMAL INSULATION



## The PRB THERMOLOOK GF/GM

- Thick finishing render (new build, existing TFB) Thermolook GF/GM, Thermolook EMI, Thermoroche, Thermobois system**
- Mechanical application**
- Finishes: Scratched, Rustic, Flattened rustic**
- Possibility of creating a pattern and/or imitation stones on PRB THERMOLOOK GF EWI (contact us)**

### PACKAGING

- 25 kg-paper bag
- 1.2 t-pallet, i.e. 48 25 kg-bags

**STORAGE:** 18 months.

### CONSUMPTION

Indicative table of minimum consumption in kg/m<sup>2</sup>:

Direct application (with a metal reinforcement or mesh TDV (10x10)) on PRB ISOLOOK polystyrene EPS (with a rounded groove):

Finishes	Scratched	Rustic or flattened rustic
Number of applications	2	2
PRB THERMOLOOK GF/GM	21 to 23 kg/m <sup>2</sup> (16 to 19 mm) finished thickness	18 to 20 kg/m <sup>2</sup> (16 to 18 mm) finished thickness

On PRB FONDISOL F under-coat reinforced with a TDV and serrated finish.

Finishes	Scratched	Rustic or flattened rustic
Number of applications	1	2
PRB THERMOLOOK GF/GM	11 to 15 kg/m <sup>2</sup> (7 to 10 mm) finished thickness	8 to 9 kg/m <sup>2</sup> (7 to 8 mm) finished thickness

**COLOUR:** 36 PRB and Sun + colours.



EN 998-1  
Type LW Class CS1



## AREA OF USE

### USE

- Interior and exterior walls
- Finish on EWI for external walls on all types of industrial, office or housing construction for new build or refurbishment.
- External EWI on TFH (Timber Frame House).

- ATE-07/0165 and DTA 7/12-1516 PRB THERMOLOOK GF/GM System.
- AT 7/12-1517 Thermolook GF/GM MOB.
- ATE-08/0182 and DTA 7/13-1557 Thermolook EMI (thin render over EPS including an alternative for a Thermolook GF/GM render finish).

- Fire classification n° RA08-0287 as per NF EN 13501-1. PRB THERMOLOOK GM/GF SYSTEM.
- AT 7/13-1558 Thermolook EMI MOB (thin render over EPS including an alternative for a Thermolook GF/GM render finish).
- Fire classification n° RA13-0144 as per NF EN 13501-1. THERMOLOOK EMI.
- EWI specifications documents (for each system).
- ACERMI EPS Certificate Th 38 and Th 31.
- TDV AVE certificate.
- DTU 26.1 P1-1, P1-2 and P2.
- CPT 3035.
- SDS and SDES.
- Other documents: on request to the PRB technical department.

### AUTHORISED SUBSTRATES

- EPS (Expanded polystyrene) (White) and graphite EPS (Grey).
- It is imperative to consult the PRB technical department for all other substrates, other EPS or other building techniques.

### PROHIBITED SUBSTRATES

- All gypsum based substrates (Plaster).
- Paints, T.P.C.

- Directly on wood.
- Horizontal or pitched surface (except arches and undersides).

### 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 heavy winds.
- Avoid applying at temperatures < 5° C and < 8° C for the bolder shades as well as in highly damp situations (increased risk of efflorescence or carbonation).

## TECHNICAL CHARACTERISTICS

### COMPOSITION

- Vinyl copolymer based powder, calcic lime, natural hydraulic lime, white cement.
- Quartz sands.
- Specific additives.
- Waterproofing compound, mineral pigments stable in light.

### PRODUCTS

#### POWDER:

- Max. grading:  
**THERMOLOOK GF:** 1.8 to 2 mm
- Max. grading:  
**THERMOLOOK GM:** 3 to 3.15 mm

#### PASTE:

- Water retention: 80 to 90 %
- pH (alkaline): 12.5 ± 0.5

### COMPOUND PERFORMANCE IN HARDENED CONDITION:

- Density: 1 to 1.4 t/m<sup>3</sup>
- Modulus of elasticity: < 5,000 Mpa
- Bending strength: < 1.5 Mpa

### RENDER PERFORMANCE ACCORDING TO EN 998-1 / MORTIER ALLEGE LW

The PRB THERMOLOOK GF/GM render is only approved in colours with an absorption coefficient of: < 0.7.

- Compressive strength: CS I (0.4 to 2.5 N/mm<sup>2</sup>)
- Permeability to water vapour (coef): < 20 (tabulated value)
- Thermal conductivity (λ 10 sec.): 0.30 W/m.K (tabulated value)

- Durability / adherence after freezing/Rupt: > 0.2 N/mm<sup>2</sup> A or B or C
- Water absorption: W1
- C < 0.40 kg/m<sup>2</sup>.min.0.5
- Fire behaviour (non-combustible): A1 (M0)
- Behaviour on the insulating render as per ETAG 004: Favourable.

### USE:

- Mixing rate: 23 to 26 %
- Mixing time: 5 min
- Open time of the batch: about 60 min
- Time before scraping: 4 to 24 h
- Time between two applications: from 24 minimum to 96 hours maximum.

**N.B.:** These values are standard laboratory or site testing values. The preparation conditions and the type and wear of the material used may modify them significantly.