

# weber.therm XM

## external wall insulation

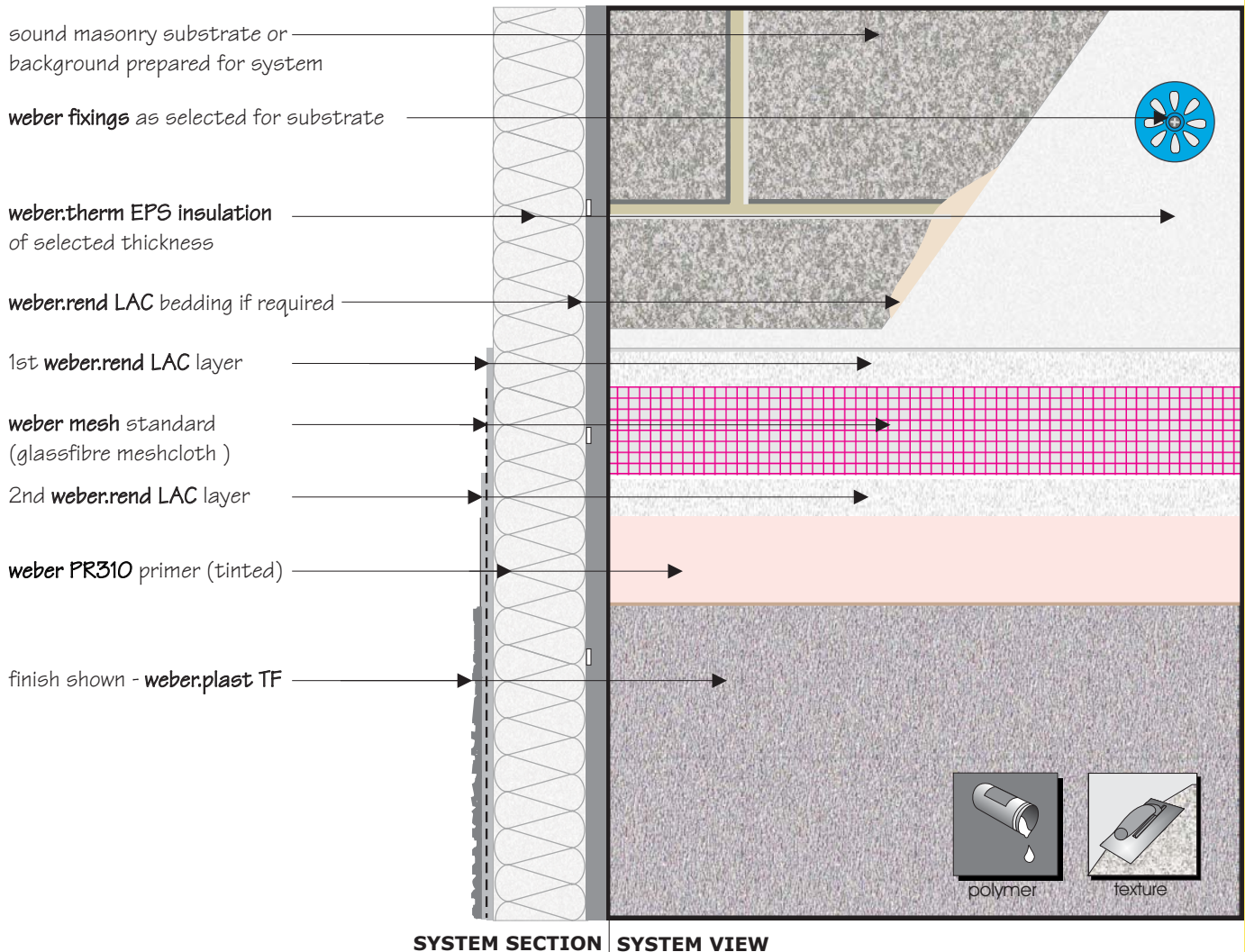


**weber.therm XM [PM218]** is a render protected EWI system based on plain expanded polystyrene insulant, mechanically fixed, with meshcloth reinforced render and a textured synthetic finish.

# polystyrene

## MASONRY BACKGROUND

### PM218



Price Guide for system applied
Issue date

### FOR THE DESIGNER....

**weber.therm XM [PM218]** (EPS) is an external wall insulation system which is mechanically fixed to the substrate using suitable **Weber** fixings at the specified rate (see below). Bonding and/or bedding (as is only required on un-even substrates).

**weber.therm XM [PM218]** (EPS) is protected with a 6mm thick, meshcloth reinforced, coat of **weber.rend LAC**, which provides good impact resistance and weather resistance, and a coat of **weber.plast TF** textured finish.

### FOR THE ESTIMATOR....

Materials in the <b>weber.therm XM [PM218]</b> (EPS) system and coverages -	
<b>weber.therm EPS</b> insulation (40mm upwards x 10mm) -	0.72m <sup>2</sup> / board
<b>weber fixings</b> (as appropriate for substrate)	- 5/board (7/m <sup>2</sup> )
<b>weber.rend LAC</b> (6mm)	- 6.5 kg/m <sup>2</sup> in 20kg bags
<b>weber mesh standard</b> - 50x1m roll (150mm lap)	- approx. 45m <sup>2</sup> / roll
<b>weber PR310</b> primer	- 0.25litre/m <sup>2</sup> in 10 litre tubs
<b>weber.plast TF 150</b> (1.5mm texture)	- 2.8kg/m <sup>2</sup> in 15kg tubs
or <b>weber.plast TF 300</b> (3mm texture)	- 6 kg m <sup>2</sup> in 15 kg tubs
+ beads and trims as specified	

This system is one of a range of comprehensive facade solutions covering external wall insulation, renders and concrete repair manufactured in the UK by **Weber**

**FOR THE SPECIFIER . . . .** an outline specification in NBS format

**PROJECT:**

**SPECIFICATION CLAUSES.**

**M21 INSULATION WITH RENDERED FINISH.**

To be read with Preliminaries/General conditions.

**TYPE [S] OF COATINGS.**

**210 WEBER PROPRIETARY INSULATED CLADDING SYSTEM:**

**weber.therm XM [PM218]** (EPS) – masonry background

**weber.plast TF** – textured finish

- **Location:** To specified flat in-plane wall areas as identified on Architect's drawings or other Contract Documents.
- **Background:** New sound Brick / Block or existing rendered / un-rendered sound masonry.
- **Preparation:** If rendered, hammer test and remove all existing bossed render. For existing substrates, or where required on new substrates, drench apply **weber CL150** wash and leave for 48 hours. Brush down to remove all moss / growth. Make good boss areas using **weber.rend stipple** and **weber.rend TUC** to achieve an in-plane surface.
- **Insulation: weber.therm EPS**  
**weber.therm EPS** shall be plain expanded polystyrene, CFC/HCFC free, SD/FRA grade to size and thickness specified, all as supplied by **Weber**. Where required, to reconcile surface plane, bed in **weber.rend LAC**. Pin to substrate using specified **Weber** drill & drive positive expansion fixings to specified fixing pattern, to produce a fixing rate of 7/m<sup>2</sup>.  
**Thickness:**
- **Undercoat: weber.rend LAC**  
Adhesive mortar for scrimming shall be uncoloured and polymer modified, comprising appropriate quantities of FS2 sand, lime, cement, lightweight fillers and dry polymer.  
**Thickness:** 6mm (applied in two coats incorporating meshcloth).
- **Render Carrier / Reinforcement: weber mesh** standard.  
Standard duty, balanced, open weave, glass fibre meshcloth, coated for alkaline resistance, in 1m x 50m roll.
- **Finish: weber PR310** primer and **weber.plast TF**  
Primer for colour washing, prior to application of **weber.plast TF**, to be **weber PR310** tinted primer, low viscosity liquid, brush, spray, or roller applied. **weber.plast TF** finish, in selected colour and texture grade, factory batched, wet mix supplied in plastic tubs, trowel applied and textured using a stainless steel or thin plastic float.
- **Accessories:** Full system and render only beads, if required by the system or product, or if specified, shall be of appropriate design, gauge and material as approved and supplied by **Weber**. Beads to be located and fixed as detailed on Architect's drawings or System Manufacturer's details (this may involve bedding RO beads in mortar).  
Structural, temporary or bead fixings shall be of suitable strength & durability as approved & supplied by **Weber**.

**FOR THE APPLICATOR . . . .** an application overview

- **Suitable Substrates:** New sound Brick / Block or existing rendered / un-rendered sound masonry.
- **Surface Preparation:** If rendered, hammer test and remove all existing bossed render. For existing substrates, or where required on new substrates, drench apply **weber CL150** wash and leave for 48 hours. Brush down to remove all moss / growth. Make good boss areas (on existing) using **weber.rend stipple** and **weber.rend TUC** to achieve an in-plane surface. Fit full system base and stop beads, where required, with fixings as approved and supplied by **Weber**.
- **Insulation:** Fix each **weber.therm EPS** insulation slab with 5 number specified fixings to 'saltire' pattern (approx. 150mm from board edges and one in centre) Minimum pull-out value of 0.75kN/m<sup>2</sup>. Additional fixings required around windows and doors etc. or for specific wind load requirements.
- **Reinforcing Coat:** Mix 20kg of **weber.rend LAC** with approximately 5 litres potable water and apply 2-3mm thick incorporating **weber mesh** standard glass fibre meshcloth as specified. Lay-in and allow for partial take-up, apply further 3mm. Rule off with a straight edge to achieve satisfactory in-plane surface. Remove all trowel marks and dress off surface smooth with a sponge. Allow to dry.
- **Finishing Coat:** Apply **weber PR310** tinted primer by roller, spray or brush. Apply and work **weber.plast TF** to an acceptable texture using a stainless steel / thin plastic float, all in accordance with manufacturer's printed instructions.

**General:** Pre-bagged mortar must be stored completely dry and used in strict rotation of delivery. Stack tubs of wet mixed products no more than 2 high. Do not apply any formless wet materials in temperatures below 5°C. Do not work in high temperatures when flash setting of materials may occur. Provide adequate protection from frost, high winds and precipitation during application and curing. Apply all materials in accordance with full, detailed printed instructions.

Refer to current Product Data Sheets for further information.

**FOR FURTHER INFORMATION** contact

weber\_therm XM PM218 (c)

Regional / Area  
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