

weber.therm XM

external wall insulation

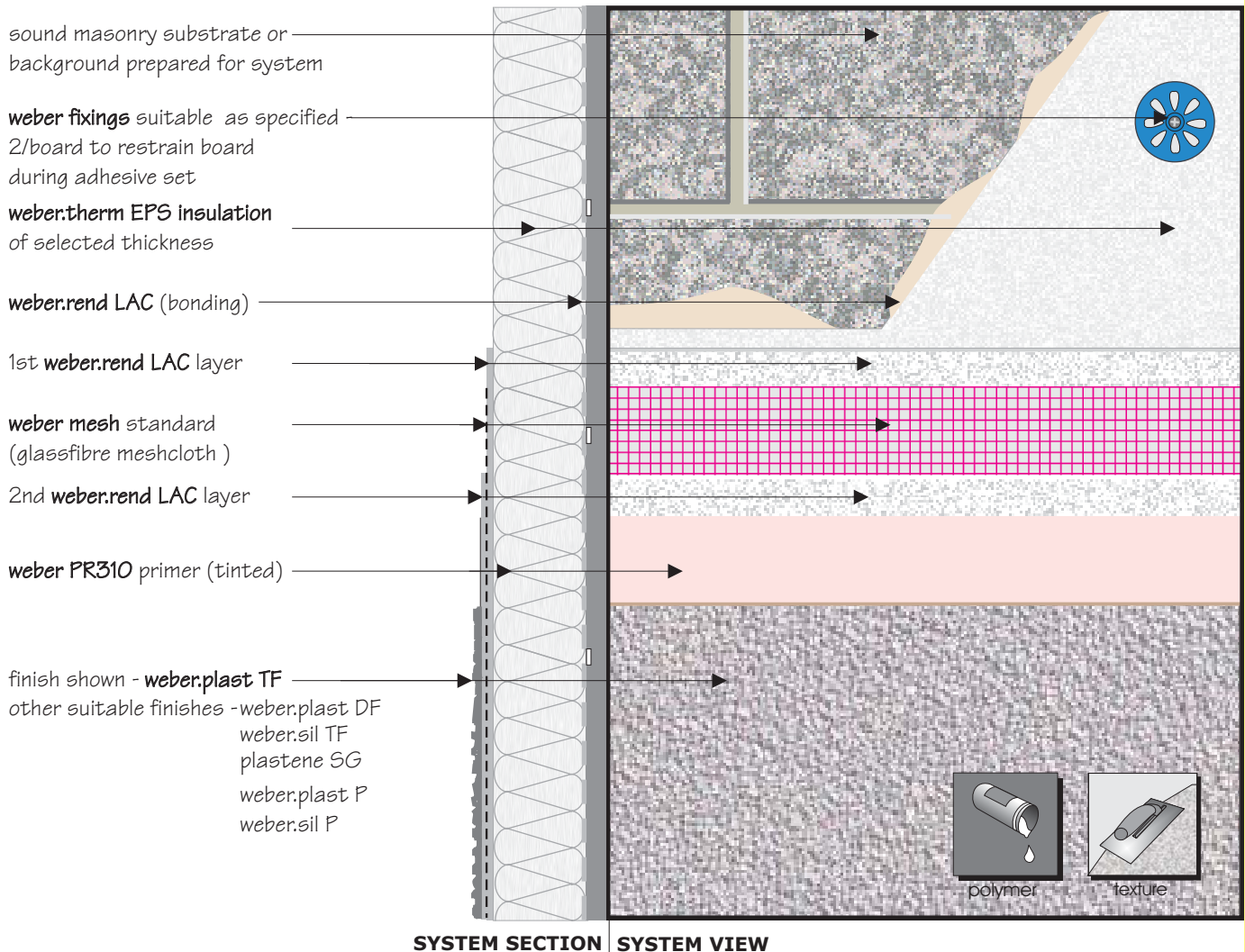


weber.therm XM (EPS) is a render protected EWI system based on expanded polystyrene, bonded and mechanically fixed, with meshcloth reinforced render and a texture finish.

polystyrene

MASONRY BACKGROUND

PM018



Price Guide for system applied
Issue date

FOR THE DESIGNER....

weber.therm XM (EPS) is an external wall insulation system which is bonded and bedded to the substrate as the primary structural fixing and to restrain movement. Mechanical fixings are inserted (2/board) to locate the boards during adhesive set.

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

FOR THE ESTIMATOR....

Materials in the **weber.therm XM (EPS)** system and coverages -
weber.therm EPS insulation (30mm upwards x 10mm) 0.74m² / board
weber.rend LAC (bonding) - 3kg/m² in 20kg bags
weber fixings (as appropriate for substrate) - 2 per board (3/m²)
weber.rend LAC (6mm) - 6.5 kg/m² in 20kg bags
weber mesh standard - 50x1m roll (150mm lap)
weber PR310 primer - 0.25litre/m² in 10 litre tubs
weber.plast TF 150 -(1.5mm texture) - 2.8kg/m² in 15kg tubs
 or **weber.plast TF 300** (3mm texture) - 6 kg m² 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 building solutions**

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 (EPS) - masonry background

weber.plast TF textured finish

- **Location:** To specified wall areas as identified on Architect's drawings or other Contract Documents.
- **Background:** New sound Brick / Block or existing rendered / unrendered 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, SD/FRA grade to size and thickness specified, all as supplied by **weber building solutions**. Adhesive fix with a thin bed of **weber.rend LAC** and fix to substrate using specified **weber** fixings at the rate of 2/ board or part board.
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).
- **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 15kg 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 building solutions**. Beads to be located and fixed as detailed on Architect's drawings or System Manufacturer's details.
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 / unrendered 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 specified fixings.
- **Insulation:** Mix and apply **weber.rend LAC** to back of the **weber.therm EPS** insulation as specified (approx. 3kg/m²) such that at least 50% of surface area of the board will be bonded to the substrate. Position board on wall, tap lightly into position to reconcile edges, and mechanically fix to the masonry substrate using specified **weber** fixings at the rate of 2/ board or part board.
- **Reinforcing Coat:** Mix and apply **weber.rend LAC** 2-3mm thick and incorporate **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 & precipitation during application and curing. Apply all materials in accordance with detailed printed instructions.

FOR FURTHER INFORMATION contact

weber_therm XM PM018a

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