

# weber.therm XM

## external wall insulation



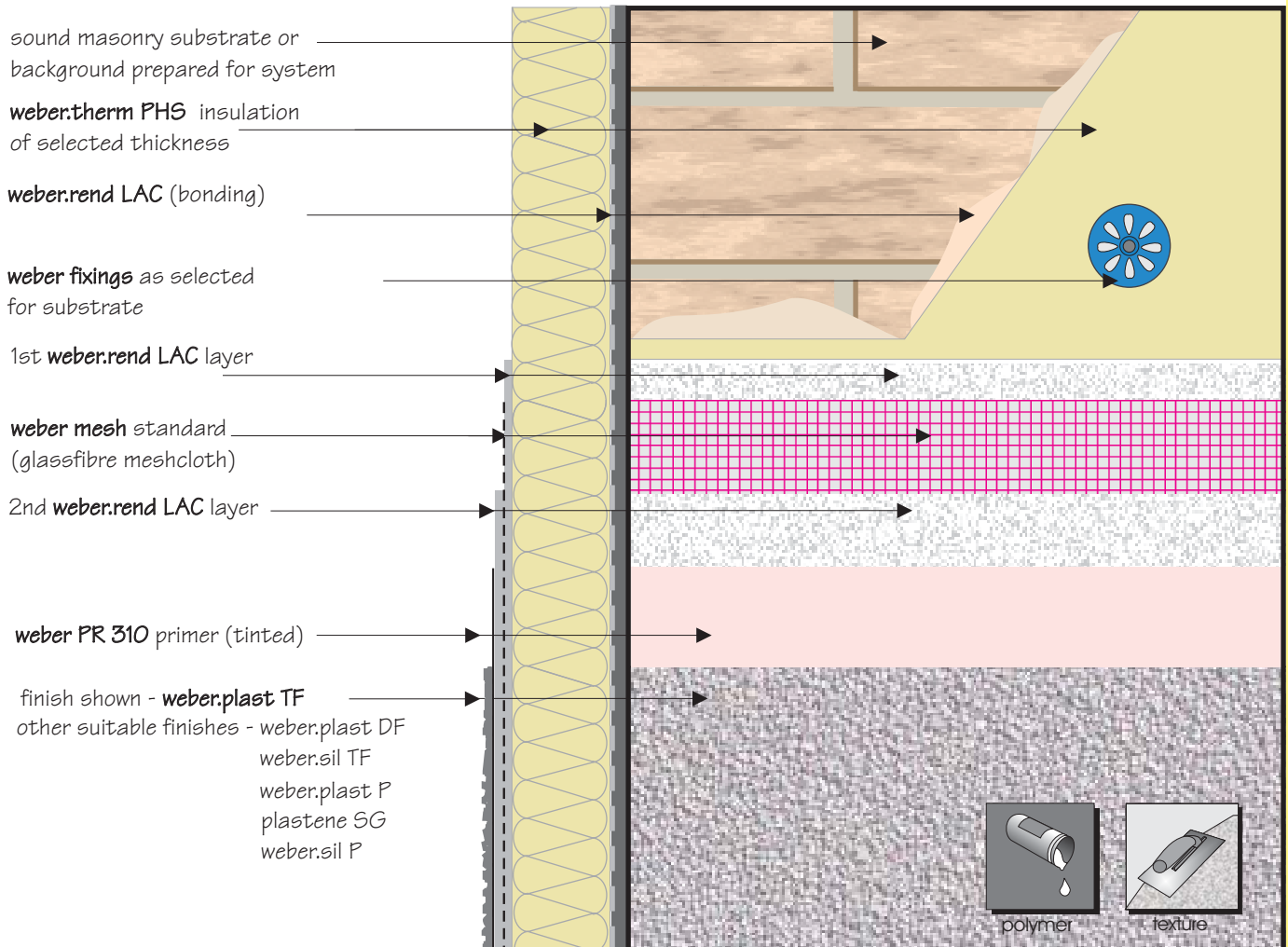
**weber.therm XM (PHS)** is a render protected EWI system based on phenolic foam insulant, bonded and mechanically fixed, with meshcloth reinforced render and a textured synthetic finish.

# phenolic

## MASONRY BACKGROUND

### KM018

facade systems



SYSTEM SECTION | SYSTEM VIEW



Price Guide for system applied
Issue date

### FOR THE DESIGNER....

**weber.therm XM KM018** is an external wall insulation system which is bonded and mechanically fixed to the substrate using suitable fixings at a specified rate (see below). **weber.therm XM KM018** is protected with a 6mm meshcloth reinforced coat of **weber.rend LAC**, which gives good impact resistance and weather protection, and a coat of **weber.plast TF** textured synthetic finish.

### FOR THE ESTIMATOR....

Materials in the **weber.therm XM KM018** system and coverages -  
**weber.therm PHS** insulation (30mm upwards x 10mm) 0.72m<sup>2</sup> / board  
**weber.rend LAC** (bonding) - 3 kg/m<sup>2</sup> in 20 kg bags  
**weber fixings** (as appropriate for substrate) - 2/board (3/m<sup>2</sup>)  
**weber.rend LAC** (meshcloth coat 6mm) - 6.5kg/m<sup>2</sup> in 20kg bags  
**weber mesh standard** - 50x1m roll (100mm lap)  
**weber PR310** - primer - 0.25 litres/m<sup>2</sup> in 10 litre tubs  
**weber.plast TF** - 150 (1.5mm texture) 2.8kg/m<sup>2</sup> in 15kg tubs  
**weber.plast TF** - 300 (3mm texture) 6 kg/m<sup>2</sup> in 15kg 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** (PHS) - 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 PHS**  
CFC free phenolic insulation board, tissue faced both sides, minimum density 40kg/m<sup>3</sup> 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 PHS** insulation as specified (approx. 3kg/m<sup>2</sup>) 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.

Refer to current Product Data Sheets for further information.

**FOR FURTHER INFORMATION** contact

weber\_therm XM KM018

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