

A unique one-coat mineral render external wall insulation system

webertherm XP



About this product

webertherm XP is a unique external wall insulation system from **Weber**, using specially designed mineral one-coat renders.

Technical data

webertherm XP – external wall insulation systems

Insulation Board	Reinforcement	Fixing	1st Coat	2nd Coat	Finish
Plain EPS Plain MFD Plain PIR	Meshcloth	Mechanical	webertherm M1	N/A	Dry-dash/ scraped texture/ light ashlars/ spray roughcast/ brick effect

Uses

- Extends the life of existing buildings by keeping the old structure warm and stable
- Facilitates the decoration and remodelling of existing, tired facades
- Simplifies wall construction within the new build sector

Constraints

The quality of application of these materials depends on suitable operative skills and product familiarity.

Restrictions on weather conditions during application and curing must be respected.

Sound trade practices and printed instructions must be followed.

Good access and appropriate protection must be provided.

Features and benefits

- ▲ Increasing energy efficiency leading to economic benefits
- ▲ One coat application, significantly reducing the 'programme of works' and all associated costs
- ▲ Through-colour, thick mineral render for low maintenance and durability
- ▲ Provides efficient thermal insulation for refurbishment and new build projects
- ▲ Particularly suited to high rise applications and for areas where high impact resistance is required
- ▲ Eliminates interstitial condensation by creating a 'warm wall' construction
- ▲ High strength mechanical fixings allow application to existing 'suspect' or friable surfaces
- ▲ Quality assured raw materials
- ▲ Supported by comprehensive technical and architectural services
- ▲ BBA approved certificate no. 09/4670



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Product/system options

The following product options can be used in the **webertherm XP** system. Details on their application can be found on the appropriate Data Sheet.

Product	Data Sheet	Product	Data Sheet
weber CL150	G.012	weberend PUC	7.503
weberend stipple	7.203	webertherm M1	7.750
weberend TUC	7.501	webersil.P	7.420

Materials

Beads, trims and flashings

Full system and render only beads are available in polyester powder coated galvanised mild steel or grade 304 austenitic stainless steel in 3 m and 2.5 m lengths. Trims and flashings such as overcills and copings, are available in PPC aluminium in 2.5 m lengths or made to order.

Insulation

Rigid insulation boards are available in:

Plain EPS Expanded polystyrene

Grade	CFC/HCFC-free SD/FRA
Density	15 kg/m ³
Size	1220 x 610 mm
Thickness	30 – 200 mm

Plain MFD Mineral fibre

Grade	CFC/HCFC-free
Density	160/100 kg/m ³
Size	1200 x 600 mm
Thickness	30 – 200 mm

Plain PIR Polyisocyanurate

Grade	CFC/HCFC-free
Density	32 kg/m ³
Size	1200 x 600 mm
Thickness	50 – 150 mm

Plain EPH High density polystyrene (for below DPC)

Grade	CFC/HCFC-free SD/FRA
Density	18 – 20 kg/m ³
Size	305 x 1200 mm
Thickness	30 – 150 mm

Meshcloth

Balanced, open weave, alkaline resistant glass fibre meshcloth is available in:

Standard duty

Weight	160 g/m ²
Mesh dimension	3.5 mm x 3.5 mm
Size	1 m x 50 m roll

Fixings

A wide range is available to accommodate all insulant thicknesses and substrate types. Fixings are specified on a project by project basis and pull-out values are established to ensure the **webertherm XP** system is securely fixed back to the substrate.

Render

webertherm M1 is a factory-batched, through-coloured render for meshcloth and can be scrape textured, dry-dashed or spray roughcast finished.

Colours

webertherm M1 is available in 23 colours.

See www.netweber.co.uk for details.

webersil P, for use below DPC, is available in a wide range of NCS colours. Colour cards available from **Weber**.

Preparation

Existing rendered substrates

Hammer test and remove all areas of loose, 'bossed' hollow render.

Treat surfaces with **weber CL150**, a biocidal wash, to remove any traces of organic growth.

Make good surface using **weberend stipple** and **weberend TUC** or **weberend PUC**.

New-build masonry or frame structure

Ensure all surfaces are clean, in plane and of adequate thickness to provide appropriate support and stiffness without deflection or edge protrusions.

Application

Mesh option

Fix base and other full system beads as specified.

Fit the insulation and render-only beads (where specified) as described in the System Specification Sheet or relevant project documentation.

Apply **webertherm M1** render laying-in meshcloth after first pass (refer to **webertherm M1** datasheet for full information on the use of this product).

Note: webertherm M1 can be scrape textured, dry-dashed, brick effect or spray roughcast finished.

For application below DPC, dilute and apply a first coat of **webersil P** using a wool roller. Apply a second undiluted coat after the first coat is dry (refer to relevant data sheet for further information).

Good practice

Do not apply mineral renders:

- If frost is forecast within 24 hours of use
- In damp/wet conditions
- In temperatures below 5°C or above 30°C
- On elevations in direct sunlight or where the substrate is hot

Technical support and advice

During the planning stages of a project, advice should be sought from **Weber** technical staff.

Advice based on technical expertise together with unrivalled practical experience is freely available and covers:

Design: assistance with the selection of the appropriate system, including working details and U-value calculations.

Pre-Contract Documentation: specifications, typical details, method statements.

Contract Documentation: site packages, available through the specialist contractor. These include approved details, specification and site procedures.

To the best of our knowledge and belief, this information is true and accurate, but as conditions of use and any labour involved are beyond our control, the end user must satisfy himself by prior testing that the product is suitable for his specific application, and no responsibility can be accepted, or any warranty given by our Representatives, Agents or Distributors. Products are sold subject to our Standard Conditions of Sale and the end user should ensure that he has consulted our latest literature.

Technical services

Weber's Customer Services Department has a team of experienced advisors available to provide on-site advice both at the specification stage and during application. Detailed specifications can be provided for specific projects or more general works. Site visits and on-site demonstrations can be arranged on request.

Technical helpline

Tel: 08703 330 070
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Sales enquiries

Weber products are distributed throughout the UK through selected stockists and distributors. Please contact the relevant Customer Services Team below for all product orders and enquiries.

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