

External wall insulation system  
featuring a real brick slip finish

# webertherm XB



## About this product

**webertherm XB** is a high performance external wall insulation system with an authentic brick finish.

## Technical data

### webertherm XB external wall insulation systems

Insulation Board	Reinforcement	Fixing	1st Coat	2nd Coat	Finish
EPS	N/A	Mechanical	<b>weberend EXB</b>	N/A	Brick slip and <b>weberend BPM</b>
PIR	N/A	Mechanical	<b>weberend EXB</b>	N/A	Brick slip and <b>weberend BPM</b>
MFD	Meshcloth	Mechanical	<b>weberend LAC</b>	<b>weberend EXB</b>	Brick slip and <b>weberend BPM</b>
MFL	N/A	<b>weberend LAC</b>	<b>weberend EXB</b>	N/A	Brick slip and <b>weberend BPM</b>

## Uses

- Extends the life of existing buildings by keeping the old structure warm and stable
- Facilitates the decoration and re-modelling 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

- ▲ Provides efficient thermal insulation for refurbishment and new build projects
- ▲ Eliminates interstitial condensation by creating a 'warm wall' construction
- ▲ British Standard brick dimensions, designated frost resistant
- ▲ Hard durable surface reduces problems arising from impact damage and graffiti
- ▲ Provides designers with greater scope for creating and harmonising their ideas within architecturally sensitive projects
- ▲ Suitable for, and effective on most buildings – including lightweight steel frame structures and in-fill panels
- ▲ Supported by comprehensive technical and architectural services

# webertherm XB

## Product/system options

The following product options can be used in the **webertherm XB** system. Details on their application can be found on the relevant page of the **Weber Render Solutions** handbook, or by requesting the appropriate Data Sheet.

Page	Product	Data Sheet	Page	Product	Data Sheet
216	<b>weber CL150</b>	G.012	188	<b>weberend LAC</b>	7.202
202	<b>weberend stipple</b>	7.203	184	<b>weberend EXB</b>	7.204
210	<b>weberend TUC</b>	7.501	185	<b>weberend BPM</b>	7.205
206	<b>weberend PUC</b>	7.503			

## Materials

### Beads, trims and flashings

Full system 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 supplied from the following range:

#### EPS Expanded polystyrene – slab

Grade	SD/FRA. CFC/HCFC-free
Density	15 kg/m <sup>3</sup>
Size	1220 x 610 mm
Thickness	30 – 100 mm

#### MFD Mineral fibre – slab

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

#### MFL Mineral fibre – lamella

Grade	CFC/HCFC-free
Density	95 kg/m <sup>3</sup>
Size	1000 x 200 mm
Thickness	40 – 100 mm

#### PIR Polyisocyanurate – slab

Grade	BRE Green Guide Rating A
Density	32 kg/m <sup>3</sup>
Size	1200 x 600 mm
Thickness	30 – 100 mm

### Mechanical fixings

A wide range of fixings 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 XB** system is securely fixed back to the substrate.

#### weberend LAC

A factory batched mortar for bonding rigid insulation slabs to existing masonry substrates.

#### weberend EXB adhesive mortar

**weberend EXB** is a high polymer-modified, cement based adhesive mortar for bonding Mineral Fibre – lamella insulation to plywood substrates and also for bonding brick slips to rigid insulation slabs.

#### Brick slips

Brick slips are in accordance with BS3921 covering shape and size. Nominal brick slip size 65 x 215 x 15 mm.

Brick slips are available in a wide range of colours and textures. Refer to **Weber** External Wall Insulation Technical Guide.

#### weberend BPM pointing mortar

**weberend BPM** is a factory batched coloured, polymer-modified, cement based mortar for pointing brick slips as used in the **webertherm XB** EWI system.

## Preparation

### Existing rendered substrates

Hammer test and remove all areas of loose, 'bossed' 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

Fix base and other full system beads as specified.

#### webertherm MFD insulant:

Temporarily fix boards using 1 or 2 fixings per board. Mix and apply **weberend LAC** to a thickness of 3 mm and immediately lay in the **Weber** standard mesh. Fix the boards through the meshcloth coat with a further 5 fixings per m<sup>2</sup> and cover the head of the the fixings with a patch of meshcloth.

#### All other insulation types:

Fix the insulation as described in the System Specification Sheet or relevant project documentation.

Mix and apply **weberend EXB** as directed in the data sheet. Bed the **Weber** brick slips into the freshly applied **weberend EXB** using the spacers to support the brick and provide the correct gap for pointing.

Point up the joints carefully with **weberend BPM**.

### 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  
e-mail: [technical@netweber.co.uk](mailto:technical@netweber.co.uk)

## 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.

#### UK and Ireland

Tel: 08703 330 070  
Fax: 0800 014 2995  
e-mail: [sales@netweber.co.uk](mailto:sales@netweber.co.uk)

#### Saint-Gobain Weber

Dickens House, Enterprise Way, Maulden Road, Flitwick, Bedford MK45 5BY, UK  
Tel: 08703 330 070 Fax: 0800 014 2995 e-mail: [mail@netweber.co.uk](mailto:mail@netweber.co.uk)  
[www.netweber.co.uk](http://www.netweber.co.uk)