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

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

Technical data

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<th>Insulation Board</th>
<th>Reinforcement</th>
<th>Fixing</th>
<th>1st Coat</th>
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<th>Finish</th>
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</thead>
<tbody>
<tr>
<td>EPS N/A</td>
<td>N/A</td>
<td>Mechanical</td>
<td>weberend EXB</td>
<td>N/A</td>
<td>Brick slip and weberend BPM</td>
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<tr>
<td>PIR N/A</td>
<td>N/A</td>
<td>Mechanical</td>
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<tr>
<td>MFD</td>
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<td>MFL N/A</td>
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</tr>
</tbody>
</table>

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.
**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.

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**Materials**

**Beads, trims and flashings**

Full system beads are available in polymer 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/m³
  - Size: 1200 x 610 mm
  - Thickness: 30 – 100 mm

- **MFD** Mineral fibre – slab
  - Grade: CFC/HCFC-free
  - Density: 160/100 kg/m³
  - Size: 1200 x 600 mm
  - Thickness: 30 – 100 mm

- **MFL** Mineral fibre – lamella
  - Grade: CFC/HCFC-free
  - Density: 95 kg/m³
  - Size: 1000 x 200 mm
  - Thickness: 40 – 100 mm

- **PIR** Polyisocyanurate – slab
  - Grade: BRE Green Guide Rating A
  - Density: 32 kg/m³
  - 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.

**weber EXB adhesive mortar**

**weber 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, colour-coordinated, polymer-modified, cement based mortar for pointing brick slips as used in the webertherm XB EWI system.

**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 the **weber MFD** standard mesh. Fix the boards through the meshcloth coat with a further 5 fixings per m² and cover the head of 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 **weber EXB** as directed in the data sheet. Bed the **weber Brick** slips into the freshly applied **weber EXB** using the spacers to support the brick and provide the correct gap for pointing.

**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 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 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.