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render solutions

An extruded aluminium spanning rail to provide a cavity when using External Wall Insulation with single skin or frame construction

webertherm FT

About this product

webertherm FT is the standoff rail to provide the weather defence cavity recommended by the NHBC when using External Wall Insulation with metal frame construction.

Technical data

A substantial horizontal aluminium rail fixed independently of the sheathing board and spanning the studs in the frame. Insulation boards are fixed to the standoff rails along their horizontal edges.

Project-specific technical and design support is available on request from **Weber's** technical staff.

Uses

- For use with External Wall Insulation on both single skin and frame construction
- Standoff rail provides the weather defence cavity recommended by the NHBC when using External Wall Insulation with metal frame construction

Features and benefits

- Corrosion resistant components
- Fire breaks easily incorporated
- Jointing tongue for rails ensures horizontal alignment, including corners, minimises cutting and reduces waste
- Spanning rail able to withstand high wind loads

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Preparation

Masonry background
Ensure substrate is clean, sound and free of organic growth. If required, apply **weber CL150** biocidal wash to remove any growth. A data sheet is available with instructions on use.

Panel background
Ensure panels are clean, securely fixed in-plane and free from edge protrusions.

Application

Base closure trim
Fix the base closure trim on the top edge of the DPC or as directed. Ensure trim is level.

Standoff rails
Note: Rails are fixed through the sheathing board into the lightweight steel studs with the spacer located in the recess at the back of the rail. Mark off the steel stud centres on the standoff rail and drill 8 mm clearance holes along the screw groove on the rail. Do not attempt to fix to the sheathing board only.

Maximum spanning distance 600 mm.

Starter rail
Using the specified fixings and 30 mm plastic spacers, fix the starter rail with the lower edge touching the base closure trim. Leave a 10 – 15 mm gap between the rail joints for drainage.

Main wall rail
Sit insulation boards into the base bead, one at either end of the standoff rail, and rest the main wall standoff rail on top. Secure the rail with the fixings and spacers supplied. Insulation is always fixed with its long axis horizontal. Continue fixing rails, always ensuring that the vertical centres of the rails correspond to the height of the insulation.

Join rails using aluminium joint straps, leaving a 2 – 3 mm gap between the rails. Alignment is maintained at internal and external corners by bending the joint straps.

Where required, fix trimmers (starter rail) above and below openings to support the insulation.

Horizontal firebreaks should be fitted where specified, using the self-adhesive intumescent tape fitted to the reverse face of the rail. Care must be taken to ensure that the tape is aligned within the fire-break zone.

Insulation can be fitted after 2 or more rails have been secured. The insulation is fixed to the rails along the top and bottom edges of the boards. Fixing kits are supplied based on the insulation thickness. Please refer to the relevant data sheet for system installation and fixing pattern.

Packaging

Standoff rails: supplied in 2.5 metre lengths.

Base closure trim: supplied in 2.5 metre lengths.

Intumescent strip for fire breaks: supplied in 50 metre rolls.

Fixings (rail to frame): boxes of 100. Drive bit included.

Spacers: boxes of 100.

Fixing kit (insulation to rail): includes 100 washers and screws and one drive bit. Note: Kits are specific to the insulation thickness.

Joint straps: supplied 50 per pack or as required.

Individual items from kits may be purchased separately in packs of 100. Drive bits available individually when part of a larger order.

Storage and shelf life

Standoff rails should be stored where they will remain straight to allow for true alignment when fixed.

Health and safety

Care should be taken when handling rails cut to length on site - edges may be sharp.

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**

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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