

THERMO-LOC

FR60+

60-MINUTE FIRE RATED CAVITY CLOSER

DATASHEET

Fire rated barriers for eliminating damp and cold bridging around doors, windows and sills for cavities over 150mm up to 300mm

Use

- To close the cavity at external doors, window jambs and sills.
- To provide thermal insulation and prevent 'cold bridging.'
- To provide a DPC at external doors, window jambs or sills.
- 60 minutes fire rating and minimum 15 minutes insulation.
- Suitable for cavities over 150mm up to 300mm.
- Suitable for masonry walls.

Features & Benefits

- Provides an effective DPC and thermal barrier between frame, inner and outer wall leaf.
- Thermal conductivity of 0.034W/mK.
- Exceeds the minimum thermal resistance path of 0.45m²K/W stipulated in 'Part L' accredited construction details.
- Rigid profile extrusion allows both first and second fix.
- Suitable for flush jambs and sill positions (see Fig.1).
- Durable and resistant to decay.
- Insulation option to suit your requirements both thermal and fire rated.
- Global warming potential of zero.
- Ozone depletion potential of zero.

Quality

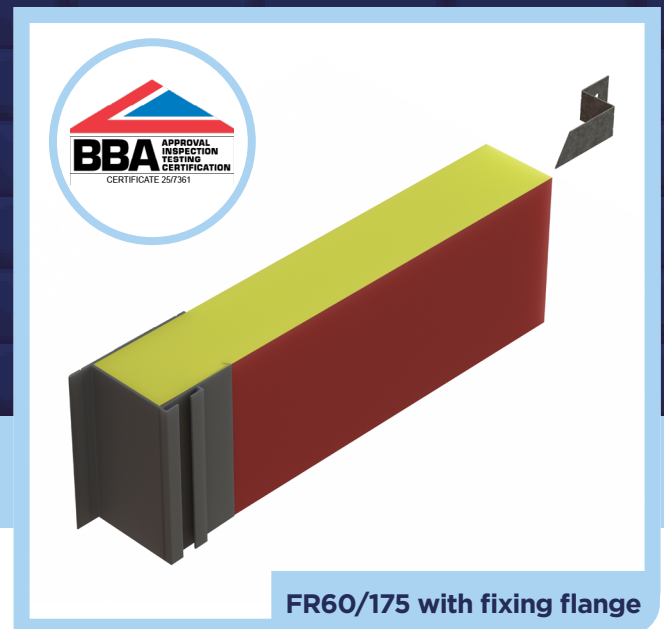
- BBA approved.
- Independently tested by Warringtonfire.
- Satisfies NHBC Standards.
- Manufactured to BS EN ISO 9001 and BS EN ISO 14001.
- Complies with Building Regulation Approved Documents C, B, L1 & L2.
- Complies with 'Part L' accredited construction details.
- Complies with the Scottish Building Standards 'Technical handbook.'
- Satisfies BRE document 'Thermal insulation: avoiding risks.'
- Meets all relevant British Standards.

Material & Colour

- Rigid profile extruded in grey UPVC.
- Supplied in 2.4 metre lengths.
- 50mm Rockfibre mineral wool (FR) insulation 0.034W/m²K.
- Polyethylene bag encapsulates insulation for moisture protection.

How to Order

- Establish the cavity width and select the correct cavity barrier width, or the next size up to ensure the cavity can be closed.
- In jamb and sill applications, first estimate the total length of cavity barrier required, then order the correct number of individual 2.4 metre lengths so limiting joint pieces.
- Fixing ties are available for secure fixing if required (particular attention around door openings). Allow for ties fitted at 450mm centres.
- Supplied with 4 metal fixing flanges that must be slotted into place.



FR60/175 with fixing flange

Product Dimensions

FR60+ Profile | 150mm - 300mm cavities



FR60+ fixing flanges installation

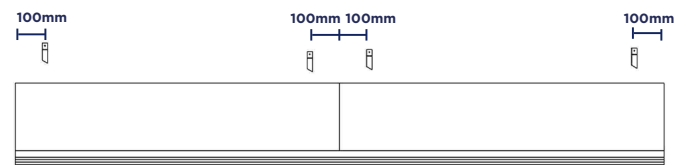
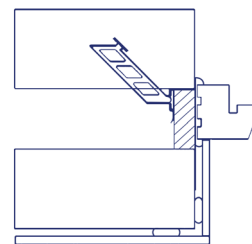
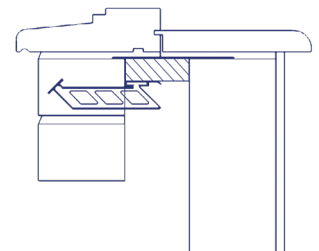


Fig.1 Flush jamb

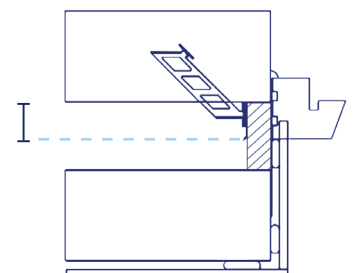


Sill detail



Staggered jamb

At least 30mm overlap to window frame



Technical Considerations

- BRE Document 'Thermal insulation: avoiding risks' and Robust Details stipulate: "When a window or door frame is set back behind the inner face of a dense outer masonry leaf, it should overlap an insulated closer by a minimum of 30mm for BRE exposure zones Sheltered to Severe; but fully rebated check reveals for zones Very Severe."
- With reference to insulation, the products in this range do not use, contain or produce Urea Formaldehyde, CFC's or indeed any of the so called soft CFC's, ie. HCFC's & HFA's. They conform to the Montreal Protocol and have an ozone depletion potential of zero and global warming potential of zero.

Bill of Quantity

F30 Accessories/sundry items for brick/block/stone walling window jambs and sills

Clause 180 | CAVITY CLOSURES FOR CLOSING AROUND WINDOW & DOOR OPENINGS

- Manufacturer: Timloc Building Products, Timloc House, Ozone Park, Howden, East Yorkshire, DN14 7SD. T: 01405 765567 W: www.timloc.co.uk
- Reference: eg. FR60/200 (Thermo-loc FR60+, 2.4m, 200mm cavity).
- Accessories: Fixing ties available, 6 No. per 2.4m cavity barrier.

Installation Advice

- Can be used in both first and second fix applications
- Cut the cavity closer into required lengths allowing the jamb section to overlap the sill section and to butt the underside of the lintel
- Fit the 4 metal fixing flanges 100mm from each end and 100mm from the centre line. Ensure 2 fixing flanges per insulation slab section.
- In first fix application the cavity barrier should be nailed to the jamb/sill of the door or window frame and the whole assembly built in as work proceeds. Alternatively the barrier can be built in sections using fixing ties as work proceeds.
- For second fix applications, the cavity barrier is pushed into the open cavity after building work is complete. The compressible nature of the exposed insulation material is used to create a friction fit in the cavity, secure nail fixing is required.
- Joining 'off cut' sections should be minimised for the FR range.

Product Codes

Product Code	Description	Cavity Width	Length	Colour	Pack Quantity
FR60/175	Thermo-loc FR60+	175mm	2.4m	Red	2
FR60/200	Thermo-loc FR60+	200mm	2.4m	Red	2
FR60/225	Thermo-loc FR60+	225mm	2.4m	Red	2
FR60/250	Thermo-loc FR60+	250mm	2.4m	Red	2
FR60/275	Thermo-loc FR60+	275mm	2.4m	Red	2
FR60/300	Thermo-loc FR60+	300mm	2.4m	Red	2
CCFIX	Fixing ties - 100 pack	-	-	White	100