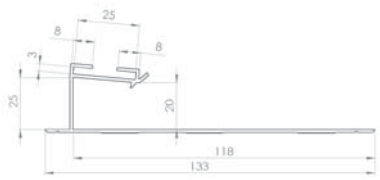
Cavity closers, fire & acoustic stops

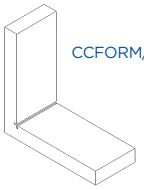
Cavity closers, fire & acoustic stops

Thermo-loc standard cavity closers

Universal closers for eliminating damp and 'cold bridging' around doors, windows and sills



CC2.4 profile (insulation omitted)



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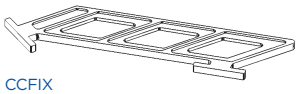


CCFIX

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

Features and benefits

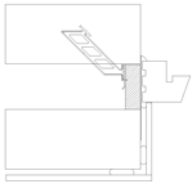
- Provides an effective DPC and thermal barrier between frame, inner and outer wall leaf
- Thermal conductivity of 0.038W/mk
- Exceeds the minimum thermal resistance path of 0.45m²K/W stipulated in Robust Details 'limited thermal bridging and air leakage'
- Rigid profile extrusion allows both first and second fix
- Components available to make up 'on-site' frame formers
- Suitable for all frame and sill positions (see fig.1)
- Durable and resistant to decay
- Simple on-site trimming to cope with 'rogue' cavity widths
- Global warming potential of less than 5
- Ozone depletion potential of zero

Quality

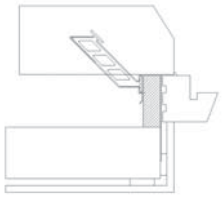
- Satisfies NHBC Standards
- Manufactured to BS EN ISO 9001 and BS EN ISO 14001
- Complies with Building Regulation Approved Documents C (2004 edition), L1 & L2 (2013 editions)
- Complies with Robust Details 'limited thermal bridging and air leakage'
- Satisfies BRE document 'Thermal insulation: avoiding risks'
- Meets all relevant British Standards

Material and colour choice

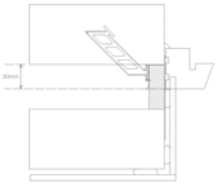
- Rigid profile extruded in white UPVC
- Supplied in 2.4 metre lengths
- Standard cavity options available 50mm - 150mm
- Expanded Polystyrene insulation 0.038W/mk
- Wider cavities available to special order



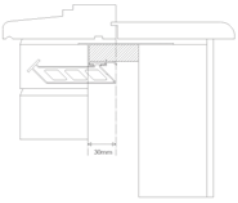
Flush jamb



Fully rebated (check reveal)



Staggered jamb



Sill detail

Fig.1

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
- In first fix application the cavity closer should be nailed to the jamb/sill of the door or window frame and the whole assembly built in as work proceeds. Alternatively the closer can be built in sections using fixing ties as work proceeds or pre built to act as an opening former by using a timber brace (see fig.2a) and corner forms (see fig.2b)
- For second fix applications, the cavity closer 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, or alternatively the insulation can be trimmed to fit using a sharp knife
- Joining 'off cut' sections should be kept to a minimum and not carried out to sill sections. Sections are joined by mitre cutting the closer profile to allow the downward cut to run away from the jamb. Insulation should be extended from the lower closer profile to allow this to slot into the upper profile to maintain a rigid section. All overlaps to be tape sealed

Page 1 of 2 see next page

Thermo-loc standard cavity closers

Universal closers for eliminating damp and 'cold bridging' around doors, windows and sills

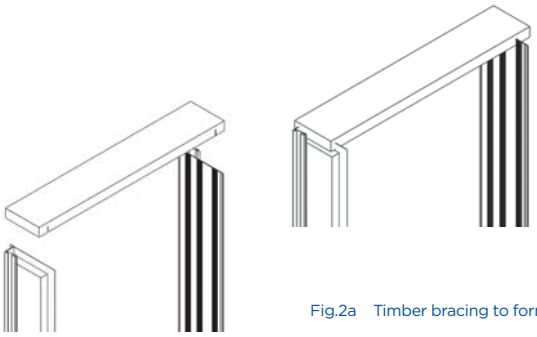


Fig.2a Timber bracing to former

How to order

- Establish the cavity width and select the correct cavity closer 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 closer required, then order the correct number of individual 2.4 metre lengths so no joint pieces
- To use as window formers allow two CCFORM's per opening to support closer in lower corners
- Fixing ties are available for secure fixing if required (particular attention around door openings). Allow for ties fitted at 450mm centres

Bill of quantity

NBSPlus

F30 Accessories/sundry items for brick/block/stone walling

Clause

180 CAVITY CLOSURES FOR CLOSING AROUND WINDOW & DOOR OPENINGS
To extend not less than 150mm beyond ends of lintels/bridgings.
• Manufacturer: ***Timloc Building Products, Rawcliffe Road, Goole, East Yorkshire, DN14 6UQ. Tel: 01405 765567, Fax: 01405 720479. Web: www.timloc.co.uk***
• Reference:.....eg. CC2.4 EPS/75 (Thermo-loc Cavity Closer, Expanded Polystyrene, 2.4m, 75mm cavity)
• Accessories: Fixing ties available, 6 No. per 2.4m cavity closer & corner forms for making opening formers. Jointing tape available.

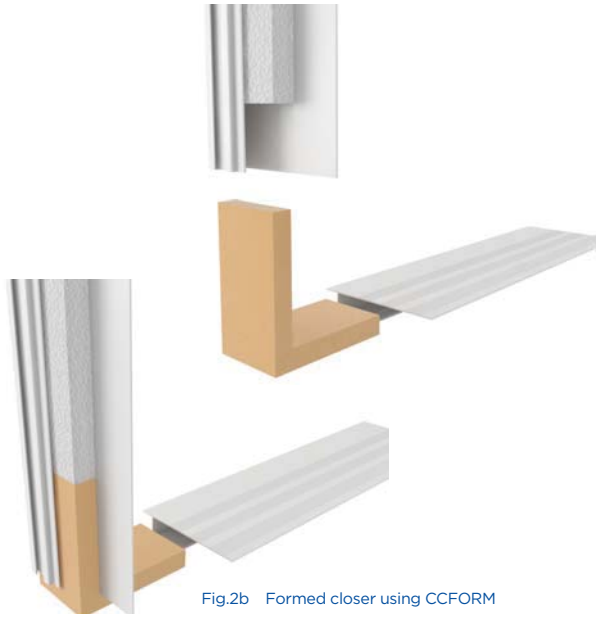


Fig.2b Formed closer using CCFORM

Product codes

Thermo-loc standard cavity closers

Description	Cavity width	Length	Pack	Product code
Thermo-loc EPS	50mm	2.4m	5	CC2.4 EPS/50
Thermo-loc EPS	75mm	2.4m	5	CC2.4 EPS/75
Thermo-loc EPS	90mm	2.4m	5	CC2.4 EPS/90
Thermo-loc EPS	100mm	2.4m	5	CC2.4 EPS/100
Thermo-loc EPS	125mm	2.4m	5	CC2.4 EPS/125
Thermo-loc EPS	150mm	2.4m	5	CC2.4 EPS/150
Thermo-loc corner form	50mm	175mm	2	CCFORM/50
Thermo-loc corner form	75mm	175mm	2	CCFORM/75
Thermo-loc corner form	90mm	175mm	2	CCFORM/90
Thermo-loc corner form	100mm	175mm	2	CCFORM/100
Fixing tie	-	-	30	CCFIX

Insulation type
Standard Expanded Polystyrene (EPS)

Thermal conductivity
0.038W/mK

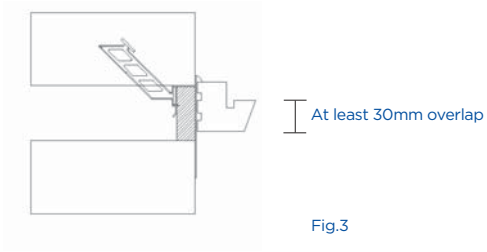


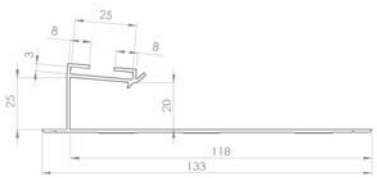
Fig.3

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" (see fig.3)
- 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 have an ozone depletion potential of zero and global warming potential of less than 5

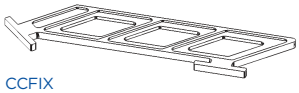
Thermo-loc plus X cavity closers

Higher insulation closers for eliminating damp and 'cold bridging' around doors, windows and sills



CC2.4 profile (insulation omitted)


CCFORM/75


CCFIX

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
- To provide higher insulation properties than standard polystyrene

Features and benefits

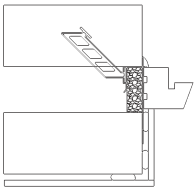
- Provides an effective DPC and thermal barrier between frame, inner and outer wall leaf
- Thermal conductivity of 0.028W/mK
- Exceeds the minimum thermal resistance path of 0.45m²K/W stipulated in Robust Details 'limited thermal bridging and air leakage'
- Rigid profile extrusion allows both first and second fix
- Components available to make up 'on-site' frame formers
- Suitable for all frame and sill positions (see fig.1)
- Durable and resistant to decay
- Insulation option to suit your requirements both thermal and fire rated
- Simple on-site trimming to cope with 'rogue' cavity widths
- Better insulation properties than standard Polystyrene
- Global warming potential of 1
- Ozone depletion potential of zero

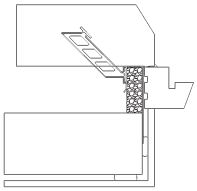
Quality

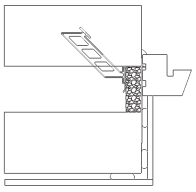
- BBA Approved
- Satisfies NHBC Standards
- Manufactured to BS EN ISO 9001 and IS BN ISO 14001
- Complies with Building Regulation Approved Documents C (2004 edition), L1 & L2 (2013 editions)
- Complies with Robust Details 'limited thermal bridging and air leakage'
- Satisfies BRE document 'Thermal insulation: avoiding risks'
- Meets all relevant British Standards

Material and colour choice

- Rigid profile extruded in white UPVC
- Supplied in 2.4 metre lengths
- Standard cavity options available 50mm - 150mm
- Extruded Polystyrene insulation 0.028W/mk
- Wider cavities available to special order


Flush jamb


Fully rebated (check reveal)


Staggered jamb

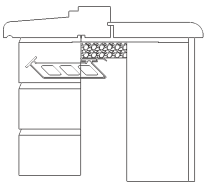

Sill detail

Fig.1

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
- In first fix application the cavity closer should be nailed to the jamb/sill of the door or window frame and the whole assembly built in as work proceeds. Alternatively the closer can be built in sections using fixing ties as work proceeds or pre built to act as an opening former by using a timber brace (fig.2a) and corner forms (fig.2b)
- For second fix applications, the cavity closer 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, or alternatively the insulation can be trimmed to fit using a sharp knife
- Joining 'off cut' sections should be kept to a minimum and not carried out to sill sections. Sections are joined by mitre cutting the closer profile to allow the downward cut to run away from the jamb. Insulation should be extended from the lower closer profile to allow this to slot into the upper profile to maintain a rigid section. All overlaps to be tape sealed

Page 1 of 2 see next page

Thermo-loc plus X cavity closers

Higher insulation closers for eliminating damp and 'cold bridging' around doors, windows and sills

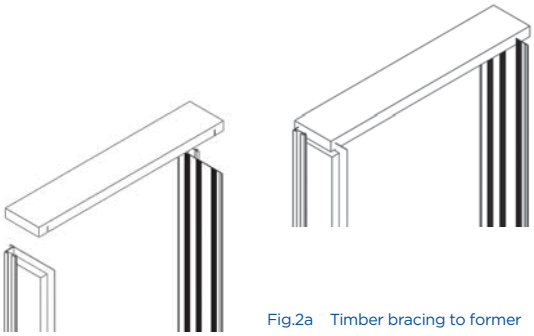


Fig.2a Timber bracing to former

How to order

- Establish the cavity width and select the correct cavity closer 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 closer required, then order the correct number of individual 2.4 metre lengths so no joint pieces
- To use as window formers allow two CCFORM's per opening to support closer in lower corners
- Fixing ties are available for secure fixing if required (particular attention around door openings). Allow for ties fitted at 450mm centres

Bill of quantity

NBSPlus

F30 Accessories/sundry items for brick/block/stone walling

Clause

180 CAVITY CLOSURES FOR CLOSING AROUND WINDOW & DOOR OPENINGS
To extend not less than 150mm beyond ends of lintels/bridgings.
• Manufacturer: ***Timloc Building Products, Rawcliffe Road, Goole, East Yorkshire, DN14 6UQ. Tel: 01405 765567, Fax: 01405 720479. Web: www.timloc.co.uk***
• Reference:.....eg. CC2.4 XPS/75 (Thermo-loc Cavity Closer, Extruded Polystyrene, 2.4m, 75mm cavity)
• Accessories: Fixing ties available, 6 No. per 2.4m cavity closer & corner forms for making opening formers. Jointing tape available.

Fig.2b Formed closer using CCFORM

Product codes
Thermo-loc plus X and plus C cavity closers

Description	Cavity width	Length	Pack	Product code
Thermo-loc plus X	50mm	2.4m	5	CC2.4 XPS/50
Thermo-loc plus X	75mm	2.4m	5	CC2.4 XPS/75
Thermo-loc plus X	90mm	2.4m	5	CC2.4 XPS/90
Thermo-loc plus X	100mm	2.4m	5	CC2.4 XPS/100
Thermo-loc plus X	125mm	2.4m	5	CC2.4 XPS/125
Thermo-loc plus X	150mm	2.4m	5	CC2.4 XPS/150
Thermo-loc corner form	50mm	175mm	2	CCFORM/50
Thermo-loc corner form	75mm	175mm	2	CCFORM/75
Thermo-loc corner form	90mm	175mm	2	CCFORM/90
Thermo-loc corner form	100mm	175mm	2	CCFORM/100
Fixing tie	-	-	30	CCFIX

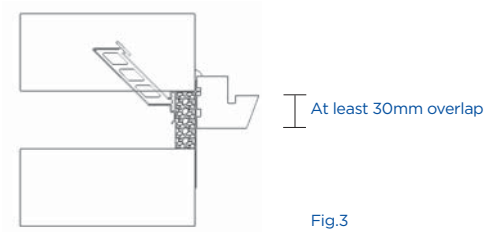


Fig.3

Insulation options
Extruded Polystyrene (plus X)

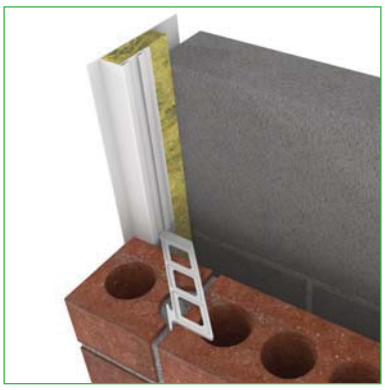
Thermal conductivity
0.028W/mK

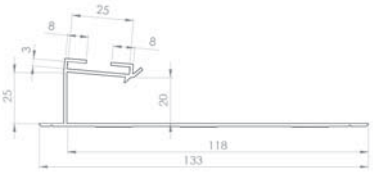
Technical considerations

- 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" (see fig.3)
- 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 have an ozone depletion potential of zero and global warming potential of 1

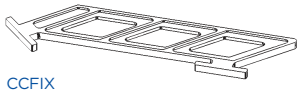
Thermo-loc FR 30 minute fire rated cavity closers

Fire rated closers for eliminating damp and 'cold bridging' around doors, windows and sills





CC2.4 profile (insulation omitted)



CCFIX

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
- 30 minutes fire rating

Features and benefits

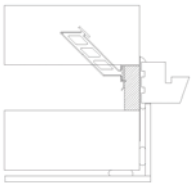
- Provides an effective DPC and thermal barrier between frame, inner and outer wall leaf
- Thermal conductivity of 0.035W/mK
- Exceeds the minimum thermal resistance path of 0.45m²K/W stipulated in Robust Details 'limited thermal bridging and air leakage'
- Rigid profile extrusion allows both first and second fix
- Suitable for all frame and sill positions (see fig.1)
- Durable and resistant to decay
- Insulation option to suit your requirements both thermal and fire rated
- Simple on-site trimming to cope with 'rogue' cavity widths
- Global warming potential of zero
- Ozone depletion potential of zero

Quality

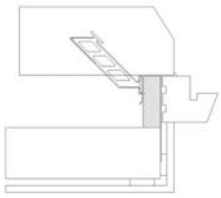
- BBA Approved
- Satisfies NHBC Standards
- Manufactured to BS EN ISO 9001 and BS EN ISO 14001
- Complies with Building Regulation Approved Documents C (2004 edition), L1 & L2 (2013 editions)
- Complies with Robust Details 'limited thermal bridging and air leakage'
- Complies with the Scottish Building Standards 'Technical handbook' 2005
- Satisfies BRE document 'Thermal insulation: avoiding risks'
- Meets all relevant British Standards

Material and colour choice

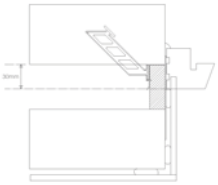
- Rigid profile extruded in white UPVC
- Supplied in 2.4 metre lengths
- Standard cavity options available 50mm - 100mm
- Rockfibre mineral wool (FR) insulation 0.035W/mk



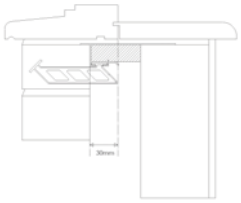
Flush jamb



Fully rebated (check reveal)



Staggered jamb



Sill detail

Fig.1

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
- In first fix application the cavity closer should be nailed to the jamb/sill of the door or window frame and the whole assembly built in as work proceeds. Alternatively the closer can be built in sections using fixing ties as work proceeds or pre built to act as an opening former by using a timber brace (see fig.2)
- For second fix applications, the cavity closer 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, or alternatively the insulation can be trimmed using a sharp knife
- Joining 'off cut' sections should not be carried out for the FR range

Page 1 of 2 see next page

Thermo-loc FR 30 minute fire rated cavity closers

Fire rated closers for eliminating damp and 'cold bridging' around doors, windows and sills

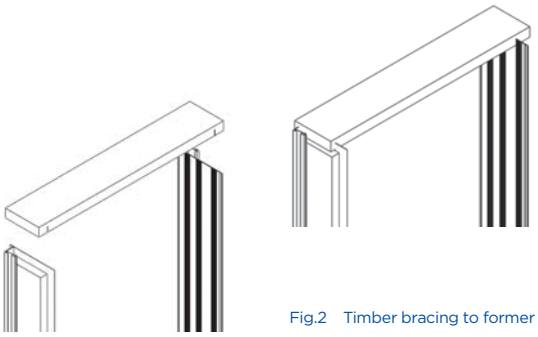


Fig.2 Timber bracing to former

How to order

- Establish the cavity width and select the correct cavity closer 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 closer required, then order the correct number of individual 2.4 metre lengths so no joint pieces
- Fixing ties are available for secure fixing if required (particular attention around door openings). Allow for ties fitted at 450mm centres

Bill of quantity

NBSPlus

F30 Accessories/sundry items for brick/block/stone walling

Clause

180 CAVITY CLOSURES FOR CLOSING AROUND WINDOW & DOOR OPENINGS
To extend not less than 150mm beyond ends of lintels/bridgings.
• Manufacturer: ***Timloc Building Products, Rawcliffe Road, Goole, East Yorkshire, DN14 6UQ. Tel: 01405 765567, Fax: 01405 720479. Web: www.timloc.co.uk***
• Reference:.....eg. CC2.4 FR/75 (Thermo-loc Cavity Closer, Fire Rated, 2.4m, 75mm cavity)
• Accessories: Fixing ties available, 6 No. per 2.4m cavity closer.

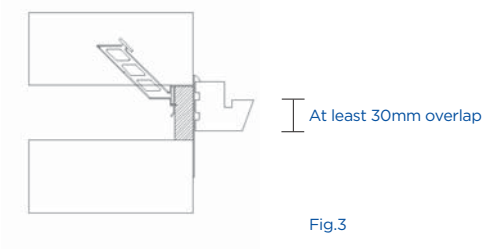


Fig.3

Product codes

Thermo-loc FR cavity closers

Description	Cavity width	Length	Pack	Product code
Thermo-loc FR	50mm	2.4m	5	CC2.4 FR/50
Thermo-loc FR	65mm	2.4m	5	CC2.4 FR/65
Thermo-loc FR	75mm	2.4m	5	CC2.4 FR/75
Thermo-loc FR	90mm	2.4m	5	CC2.4 FR/90
Thermo-loc FR	100mm	2.4m	5	CC2.4 FR/100
Fixing tie	-	-	30	CCFIX

Insulation type
Rockfibre mineral wool (FR)

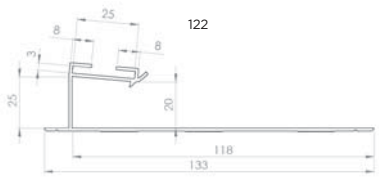
Thermal conductivity
0.035W/mK

Technical considerations

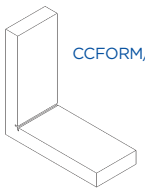
- BRE Document 'Thermal insulation: avoiding risks' and Robust Details stipulate: "When a window or door frame is set back behind the inner face of a dense outer masonry leaf, it should overlap an insulated closer by a minimum of 30mm for BRE exposure zones Sheltered to Severe; but fully rebated (check reveals) for zones Very Severe" (see fig.3)
- 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.

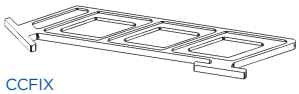
Thermo-loc multi cavity closers

Universal closer for eliminating damp and 'cold bridging' around doors, windows and sills



CC profile (insulation omitted)


CCFORM/75


CCFIX

Use

- To close cavities of 50 - 100mm at external doors, window jambs and sills
- Insulation pre grooved to offer cut lines for regular cavity sizes
- To provide thermal insulation and prevent 'cold bridging'
- To provide a DPC at external doors, window jambs or sill

Features and benefits

- Provides an effective DPC and thermal barrier between frame, Inner & outer wall leaf
- Exceeds the minimum thermal resistance path of 0.45m²K/W stipulated in Robust Details 'limited thermal bridging and air leakage'
- Rigid profile extrusion allows both first and second fix
- Components available to make up 'on site' frame formers
- Durable and resistant to decay
- Global warming potential of less than 5 (EPS) 1 (XPS)
- Ozone depletion potential of zero
- Simple on site trimming to cope with rogue cavity widths

Quality

- Meets all relevant British Standards
- Satisfies NHBC Standards
- Manufactured to BS EN ISO 9001 and BS EN ISO 14001
- Complies with Building Regulation Approved Documents C (2004 edition), L1 & L2 (2013 editions)
- Complies with Robust Details 'limited thermal bridging and air leakage'
- Satisfies BRE document 'Thermal insulation: avoiding risks'

Material and colour choice

- Rigid profile extruded in white uPVC
- Supplied in 2.4 metre lengths
- EPS insulation in white, XPS insulation in pink

Installation advice

- Can be used in both first and second fix applications as with standard cavity closer
- Cut insulation to required cavity size using grooves as a guide
- Cut the cavity closer into required lengths allowing the jamb section to overlap the sill section and to butt the underside of the lintel
- General fixing instructions as 'Standard' range

How to order

- The Thermo-loc multi closer will be supplied to suit 100mm cavity widths with grooves at regular cavity sizes to allow cutting to size
- In jamb and sill applications, first estimate the total length of cavity closer required, then order the correct number of individual lengths to reduce joining pieces
- For using as window formers allow two CCFORM's per opening to support closer in lower corners and timber brace to top
- Fixing ties are available for secure fixing if required (particular attention around door openings) allow 6 per length or allow fitted at 450mm centres

Bill of quantity

NBSPlus

F30 Accessories/sundry items for brick/block/stone walling

Clause

180 CAVITY CLOSURES FOR CLOSING AROUND WINDOW & DOOR OPENINGS
To extend not less than 150mm beyond ends of lintels/bridgings.
• Manufacturer: ***Timloc Building Products, Rawcliffe Road, Goole, East Yorkshire, DN14 6UQ. Tel: 01405 765567, Fax: 01405 720479. Web: www.timloc.co.uk***
• Reference:.....eg. CC2.4 EPS Multi (Thermo-loc Cavity Closer, Expanded Polystyrene, 2.4m, Multi cavity)
• Accessories: Fixing ties available, 6 No. per length or at 450mm centres & Corner forms for making opening formers.

Product codes

Thermo-loc cavity closers

Description	Cavity width	Length	Pack	Product code
Thermo-loc EPS	50mm-100mm	2.4mtr	5	CC2.4 EPS/Multi
Thermo-loc XPS	50mm-100mm	2.4mtr	5	CC2.4 XPS/Multi

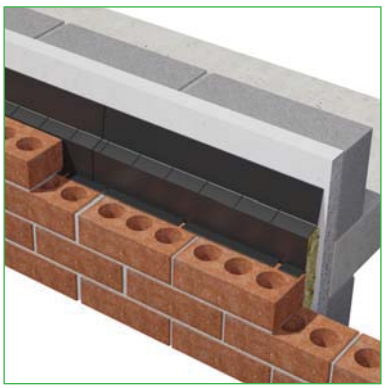
Insulation options	Thermal conductivity
Standard Expanded Polystyrene (EPS)	0.038W/mK
Extruded Polystyrene (XPS)	0.028W/mK

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 - Severe, but fully rebated (Check reveals) for zones Very Severe (see Fig 3.)
- 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. EPS has an ozone depletion potential of zero and global warming potential of less than 5. XPS has an ozone depletion potential of zero and global warming potential of 1

Acoustray perimeter cavity stops

Patented* acoustic fire-rated cavity stop and drainage tray



* Patent number: GB2424658

Use

- To prevent the transmission of flanking noise between floor levels and external wall junctions
- As a fire stop with integrated cavity tray and weeps

Features and benefits

- Reduces flanking noise transmission with the unique benefit of integrating a preformed adjustable cavity tray and insulation panel
- Saves installation problems due to its ability to be installed independently to the internal wall
- No secondary fixing required
- No break in insulation, no cold bridging
- The unique fixing flange with drain holes eliminates the need for external weeps
- The main body of the Acoustray is manufactured in a rigid plastic
- Acts as formwork for floated screeds on beam floor construction
- As a fire stop achieves 90 minutes fire integrity and insulation to BS 476 Part 20 : 1987
- Ideal for refurbishment work as only the outer leaf requires to be removed to install, without the need to fix to inner leaf

Flanking noise transmission within a building is a potential problem where more than one dwelling occurs, primarily between apartment/flat type dwellings. If the cavity wall is not fully filled with insulation, flanking noise will transmit through walls and create a disturbance to surrounding occupants (see fig.1).

The problem in trying to create a required cavity stop is to secure an acoustic grade insulation directly adjacent to the floor slab. However by doing this the cavity in a localised area will be bridged so requiring a cavity tray.

To compensate for a cavity tray the inner construction will have to remain at an accessible level and the cavity insulation trimmed back to accept a dpc, resulting in lower productivity and potential cold bridging issues (see fig.2).

Following the addition of a cavity tray, weep holes will be required at regular centres, which can affect the aesthetic appearance of fascias with visible water drainage points.

The unique Acoustray alleviates all these problems as it serves many functions in one (see fig.3).

Quality

- Satisfies all NHBC requirements
- Manufactured to BS EN ISO 9001 and BS EN ISO 14001
- Complies with Building Regulations Part E 'Resistance to the passage of sound'
- Complies with Building Regulations Part B 'Internal fire spread (structure)'
- Complies with Robust Details

Material and colour choice

- Manufactured in polypropylene
- Available in black only
- Cavity options available
- Supplied in convenient 500mm lengths

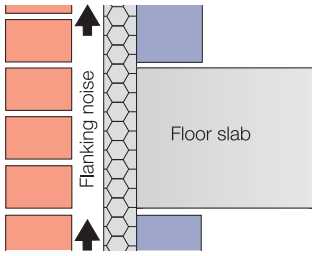


Fig.1

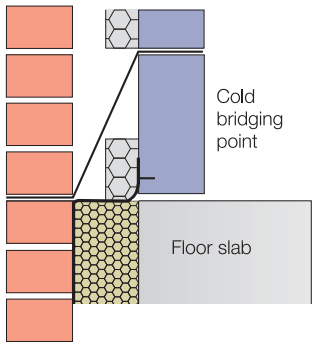


Fig.2

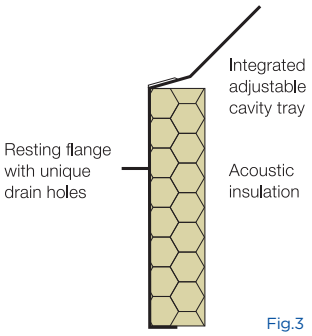


Fig.3

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Acoustray perimeter cavity stops

Patented* acoustic fire-rated cavity stop and drainage tray

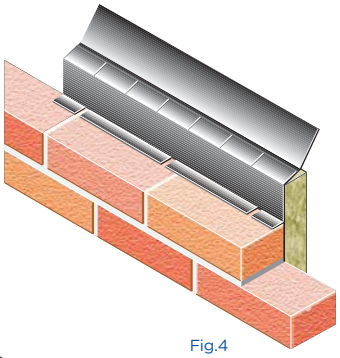


Fig.4

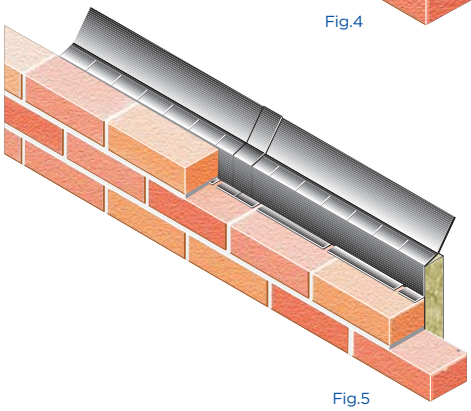


Fig.5

Installation advice

The Acoustray has been designed for installation along the full perimeter of the building at floor slab level as work proceeds. Position and lay each Acoustray within the external wall (see fig.4) ensuring that the insulation is directly adjacent to the floor slab and compressed within the cavity. The system butt joins to form a continuous barrier with additional polyband strips for sealing each Acoustray (see fig.5).

The Acoustray comes in cavity options, mainly for the selection of insulation, with an adjustable cavity tray that should naturally lean back and rest against the cavity wall insulation to protect the clear cavity (see figs 6 & 7).

Cavity wall Insulation

- Where full fill cavity wall insulation is used there is no requirement for an acoustic cavity stop
- Where partial fill cavity wall insulation is used see figs 6 & 7
- Fig.6 shows the Acoustray fitted with insulation spanning the full cavity width. This option requires the cavity wall insulation to be cut at the section where the Acoustray is to be installed and is recommended for full fire resistance and acoustic requirements
- Fig.7 shows the Acoustray fitted with insulation spanning only the clear cavity width. This option allows the cavity wall insulation to be installed as normal without cutting at the floor slab level and is recommended for acoustic requirements only

How to order

- To calculate quantities divide the overall length of the required cavity wall run by 500mm, allow an additional unit for each corner for cutting. Always round up to the next whole number
- Determine and stipulate the cavity width that the Acoustray needs to suit. (see figs 6 & 7 for partial fill or full fill cavity options)
- Please allow for Polyband strip for all joints (approximately 300mm is required per joint)

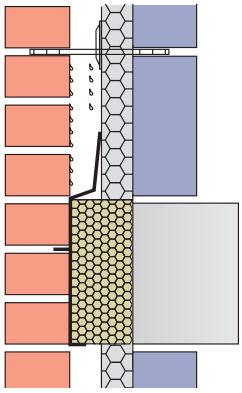


Fig.6

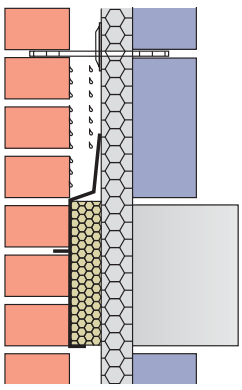


Fig.7

Bill of quantity

NBSPlus

F30 Accessories/sundry items for brick/block/stone walling

Clause

370 PREFORMED CAVITY TRAY / ACCESSORIES

- Manufacturer: ***Timloc Building Products, Rawcliffe Road, Goole, East Yorkshire, DN14 6UQ. Tel: 01405 765567, Fax: 01405 720479. Web: www.timloc.co.uk***
- Type(s) and location(s): Acoustray – FireRated acoustic cavity stop & drainage tray to be installed along the full perimeter of the building at floor slab level as work proceeds. Position and lay each Acoustray within the external wall directly adjacent to the floor slab, allow 300mm of polyband strip to join two units . Fixed in conjunction with Timloc Acoustdpc & Acousformer.
- Reference: **ACS Range**
- Options:
  - **ACS50/220 – 50mm cavity**
  - **ACS65/220 – 65mm cavity**
  - **ACS75/220 – 75mm cavity**
  - **ACS85/220 – 85mm cavity**
  - **ACS100/220 – 100mm cavity**
  - **ACSTAPE – Polyband Strip**

Product codes

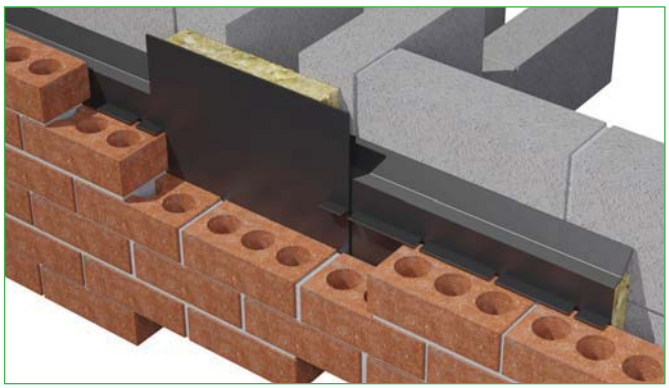
Acoustray

Description	To suit cavity width	Insulation	Length	Qty	Product code
Acoustic cavity stop	50mm	220mm	500mm	22	ACS50/220
Acoustic cavity stop	65mm	220mm	500mm	16	ACS65/220*
Acoustic cavity stop	75mm	220mm	500mm	16	ACS75/220
Acoustic cavity stop	85mm	220mm	500mm	12	ACS85/220*
Acoustic cavity stop	100mm	220mm	500mm	12	ACS100/220
Polyband strip			35mtr	1	ACSTAPE

* Special order - non stock items

Acousdpc vertical cavity stops

Vertical acoustic fire-rated cavity stop and DPC



Use

- Effectively reduces the transmission of flanking noise at party wall and external wall junctions
- As a fire stop with integrated DPC

Features and benefits

The Acousdpc has been developed to offer vertical protection and complement the horizontal Acoustray and Acousformer systems in minimising flanking noise transmission along the cavity of an external cavity wall at the intersection of a party wall. The Acousdpc also operates fully as an effective fire barrier cavity stop and in conjunction with the polythene DPC has no risk of water penetration.

Where a party wall meets the cavity wall, Building Regulations stipulate the use of a mineral wool closer for sound insulation purposes. The NHBC requires that any such closer is protected by a suitable DPC. The Acousdpc has been developed to meet these requirements.

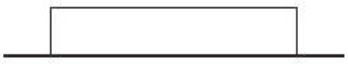
- Complies with Building Regulations Part E & B
- Fully compatible with horizontal Acoustray
- Excellent sound insulation properties
- As a fire stop achieves 4 hours (240 minutes) fire integrity to BS 476 Part 20 : 1987
- Cavity options available
- Self supported by compression fit
- Easily installed

Quality

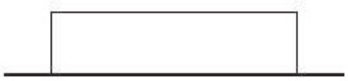
- Satisfies all NHBC requirements
- Complies with Building Regulations Part E 'Resistance to the passage of sound'
- Complies with Building Regulations Part B 'Internal fire spread (structure)'
- Complies with Robust Details

Material and colour choice

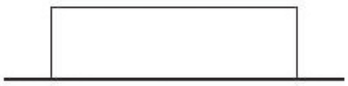
- Manufactured with BS6515 Polythene DPC
- Supplied in 1.2 metre lengths
- Cavity options available
- Rockfibre insulation slab
- 260mm width insulation



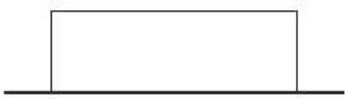
VACS50



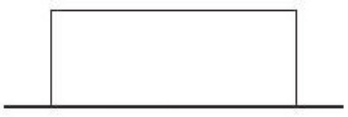
VACS65



VACS75



VACS85



VACS100

Page 1 of 2 see next page

Acousdpc vertical cavity stops

Vertical acoustic fire-rated cavity stop and DPC

Installation advice

Installation must follow good practice for the detailing of damp proof courses, as set out in the relevant clauses of BS 5628: Part 3, BS 8215 and BS 8000: Part 3.

Acousdpc should be built in as brickwork/block work proceeds.

The DPC projects beyond the insulation by 50mm on each side and should be installed to compress against the inside face of the outer leaf.

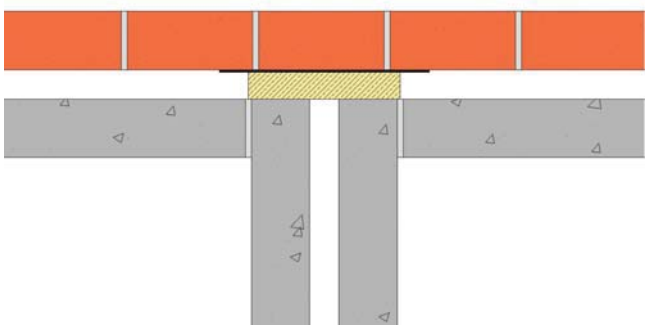
Supplied in 1.2mtr lengths of insulation with an additional 100mm overlap of DPC and to cavity size required. Units easily cut on site for detailing.

Where more than one length is required, joining lengths is by simply butt jointing together. The upper piece must be installed with the 100mm DPC extension at the bottom, lapping to the outside of the lower piece ensuring a tight butt joint of the insulation.

Vertical protection is given without breaks at floor level, but when installed in conjunction with the horizontal Acoustray, the horizontal tray will stop and restart around the vertical. To allow both systems to intersect simply notch a cut into the 50mm dpc overhang and slot over the horizontal Acoustray.

Due to the flexible nature of the rockfibre insulation some local delaminating may occur during site handling or installation. This does not detract from the performance of the product.

Junction between external cavity wall & party wall



Bill of quantity

NBSPlus

F30 Accessories/sundry items for brick/block/stone walling

Clause

370 PREFORMED CAVITY TRAY / ACCESSORIES

- Manufacturer: ***Timloc Building Products, Rawcliffe Road, Goole, East Yorkshire, DN14 6UQ. Tel: 01405 765567, Fax: 01405 720479. Web: www.timloc.co.uk***
- Type(s) and location(s): Acousdpc – FireRated acoustic cavity stop & dpc to be installed vertically as work proceeds. Position Acousdpc's vertically where a party wall meets the cavity wall, supplied in 1.2 mtr lengths and butt jointed. Fixed in conjunction with Timloc Acoustray & Acousformer.
- Reference: **VACS Range**
- Options:
  - **VACS50 – 50mm cavity**
  - **VACS65 – 65mm cavity**
  - **VACS75 – 75mm cavity**
  - **VACS85 – 85mm cavity**
  - **VACS100 – 100mm cavity**

Product codes

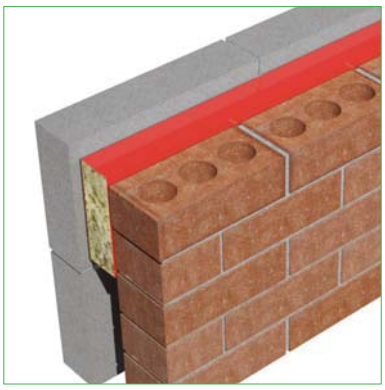
Acousdpc fire rated cavity stop

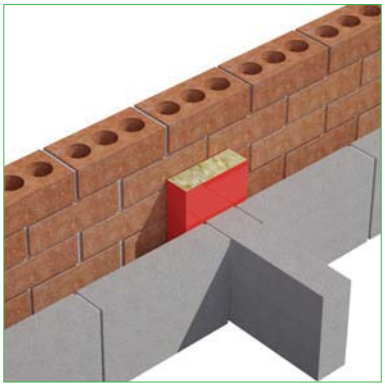
To suit cavity size	Length	Dimensions	Qty	Product code
50mm cavity	1.2mtr	360 x 260 x 50mm	10	VACS50
65mm cavity	1.2mtr	360 x 260 x 65mm	*	VACS65
75mm cavity	1.2mtr	360 x 260 x 75mm	8	VACS75
85mm cavity	1.2mtr	360 x 260 x 85mm	*	VACS85
100mm cavity	1.2mtr	360 x 260 x 100mm	6	VACS100

* to order

Acoustop cavity stop socks

Thermal and acoustic fire stops





Use

- To restrict the spread of smoke and flames within external masonry and timber frame walls
- To further minimise the effect of flanking noise pollution at wall junctions

Features and benefits

Acoustop cavity stop socks are lengths of low resin, non-combustible, Rockfibre mineral wool, sleeved in 50 micron polythene for on-site weather protection

- 60 minute fire integrity
- Polythene encapsulated cavity stop sock
- Available in standard widths of 65, 90, 100, 115 and 125mm and special cavity widths are available on request
- Meets the requirements of the Robust Detail, Part B and NHBC Standards
- TCB (flanged stopsock) also available for timber frame applications

Quality

- Satisfies all NHBC requirements
- Complies with all relevant Building Regulations
- Meets all relevant British Standards
- Non-combustible to BS476 : Part 4 1970 (1984) Class 1
- Surface spread of flame to BS476 part 7 1987
- Class O to the Building Regulations

Material and colour choice

- Manufactured using Rockwool mineral wool
- Rockfibre uses no CFC's, HCFC's in the manufacturing process
- Thermal conductivity of Rockfibre insulation 0.037

Installation advice

Timloc cavity stop socks are designed to friction fit within the cavity and are easily installed both vertically and horizontally into the cavity during construction. Care should be taken to ensure butt joints are closely fitted and the cavity sock fully fills the cavity.

This method should be incorporated with a preformed horizontal cavity tray (refer to Technical Department for appropriate type) and proprietary wall weep vents (Timloc code 1143) at 900mm centres, to prevent water ingress from bridging the cavity.

How to order

- To calculate quantities divide the overall length of the required cavity wall run by 1.2m, allow an additional unit for each corner for cutting. Always round up to the next whole number
- Determine and stipulate the cavity width that the Acoustop needs to suit

Bill of quantity

NBSPlus

F30 Accessories/sundry items for brick/block/stone walling

Clause

370 PREFORMED CAVITY TRAY / ACCESSORIES

- Manufacturer: ***Timloc Building Products, Rawcliffe Road, Goole, East Yorkshire, DN14 6UQ. Tel: 01405 765567, Fax: 01405 720479. Web: www.timloc.co.uk***
- Type(s) and location(s): Acoustop - thermal & acoustic fire stops to be installed vertically and horizontally as work proceeds. Position Acoustop where a party wall meets the cavity wall or at floor levels, supplied in 1.2 mtr lengths and butt jointed. Fixed in conjunction with Timloc Acoustray & Acousformers.
- Reference: **ACSS Range**
- Options:
  - **ACSS50 – 50mm cavity**
  - **ACSS75 – 75mm cavity**
  - **ACSS85 – 85mm cavity**
  - **ACSS100 – 100mm cavity**
  - **ACSS115 – 115mm cavity**
  - **ACSS125 – 125mm cavity**

Product codes

Acoustop cavity stop socks

To suit cavity width	Size	Qty	Fire integrity	Product code
50mm	65 x 65 x 1200mm	40	1 hour	ACSS50
75mm	90 x 75 x 1200mm	35	1 hour	ACSS75
85mm	100 x 100 x 1200mm	20	1 hour	ACSS85
90mm	105 x 120 x 1200mm	20	1 hour	ACSS90
100mm	120 x 100 x 1200mm	20	1 hour	ACSS100
115mm	130 x 100 x 1200mm	20	1 hour	ACSS115
125mm	140 x 100 x 1200mm	20	1 hour	ACSS125