Mayplas

The Insulation Converter

551 Timber Frame Cavity Barrier

552 Masonry Cavity Stop Sock

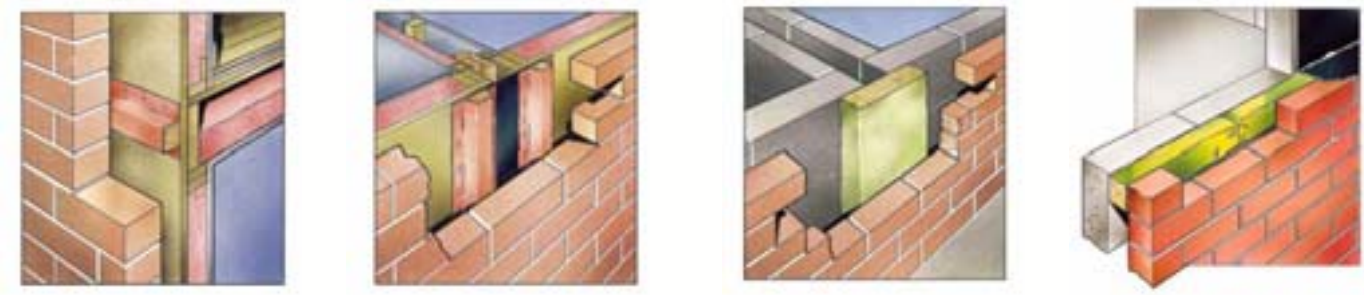
Meets the requirements of:-

* 2000 Approved Document B Fire Safety

* 2003 Approved Document E Sound Resistance

* Robust Details Part E

* NHBC Standards 2005



* Standard 1 hour and Deluxe 2 hour ranges

* 2 hour Party Wall Range

* Polythene sleeved mineral wool

* Made to measure sizes for perfect cavity fit

* Tested by Warrington Fire Research

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Peel Industrial Estate - Chamberhall St - Bury - Lancashire BL9 OLU

Tel: 0161-447-8320 Fax: 0161-447-8333 E-mail: sales@mayplas.co.uk

Mayplas Cavity Barriers - General Information

Manufactured using polythene enclosed non combustible rockfibre in bespoke sizes designed to be compressed by 15mm within the cavity - this "made to measure" cavity barrier design provides a minimum of 1 hour fire resistance and is crucial in sound applications where "flanking transmission" can be the weak link of an otherwise robust construction

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551 Standard Range has been tested by Warrington Fire Research (WFRC No: C83002) to provide 1 hour fire resistance - double the minimum requirement - meets Part B and Part E (incl Robust Details) of The Building Regulations 2000

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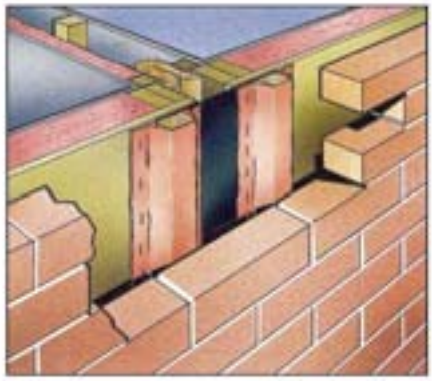
552 Standard Range has been tested by Warrington Fire Research (WFRC No: C82327) to provide 1 hour fire resistance - double the minimum requirement - meets Part B and Part E (incl Robust Details) of The Building Regulations 2000

Mayplas Deluxe and Party Wall Ranges have been assessed by Warrington Fire Research to provide 2 hours fire resistance (WFRC No: 14354 Issue 2) - meets Part B and Part E (incl Robust Details) of The Building Regulations 2000

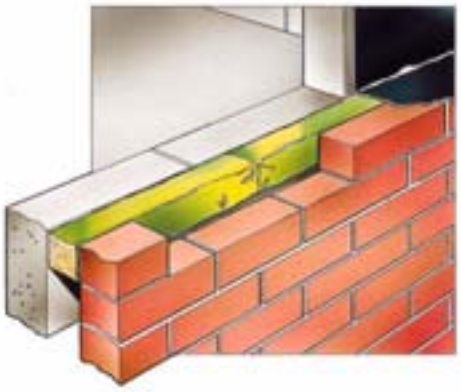
Fitting Mayplas 551 Timber Frame Cavity Barriers



Vertical Barriers are stapled (at 150mm centres) to the inner timber sheathing by both flanges - joints are close butted. 551 is designed to be compressed in the cavity by 15mm as the brickwork is built up

Horizontal Barriers are stapled (at 150mm centres) to the inner timber sheathing by the upper flange only - joints are close butted. Cavity Barrier is designed to be compressed by 15mm in the cavity as the brickwork is built up

Fitting Mayplas 552 Cavity Stop Socks



Vertical Stop Socks are compressed and friction fitted between the outer brickwork and inner blockwork - joints are close butted. 552 is designed to be compressed by 15mm in the cavity as the brickwork is built up

Horizontal Stop Socks are compressed by 15mm and friction fitted between the outer brickwork and inner blockwork - joints are close butted. A dpc cavity tray with a minimum upstand of 100mm should be installed immediately above the stop sock (not when used as closer in external cavity wall at eaves level or at ceiling and roof junction)

Full Fill & Partial Fill Cavity Insulation in Masonry Constructions

1) Where "full fill" cavity insulation is specified a cavity stop sock not always required (see cavity insulation manufacturer's product data for confirmation)

3) Where "partial fill" cavity insulation is specified the cavity insulation should be cut away to allow the cavity stop sock to fill the entire cavity

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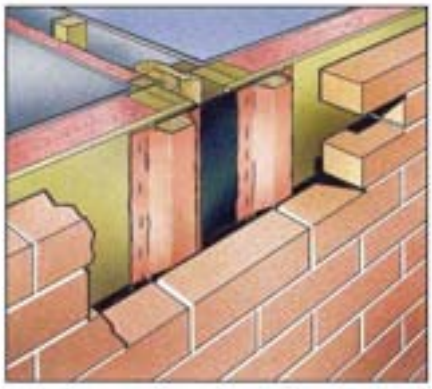
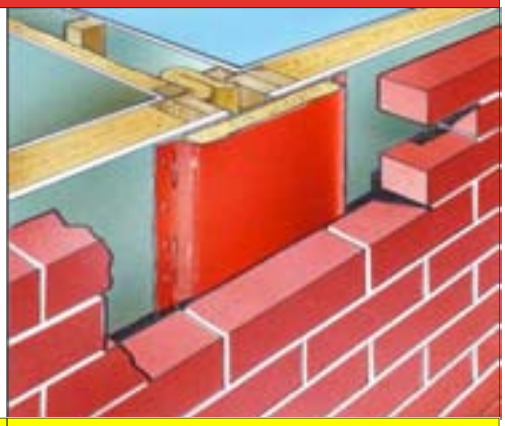
551 Timber Frame Cavity Barrier

For separating floor junctions and eaves level



For junctions of external cavity wall and internal wall



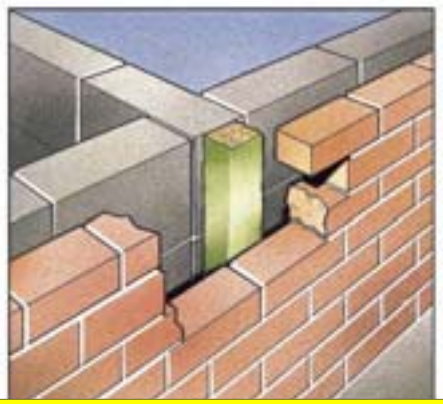
Party Wall Range for junctions of external cavity wall and internal wall

Sizes	Standard 1 hour	Deluxe 2 hour	Party Wall 2 hour
to suit 50mm external cavity	65mm x 65mm x 1200mm	65mm x 150mm x 1200mm	65mm x 380mm x 1200mm
to suit 60mm external cavity	75mm x 90mm x 1200mm	75mm x 150mm x 1200mm	75mm x 380mm x 1200mm
to suit 70mm external cavity	85mm x 90mm x 1200mm	85mm x 150mm x 1200mm	85mm x 380mm x 1200mm
to suit 75mm external cavity	90mm x 120mm x 1200mm	90mm x 150mm x 1200mm	90mm x 380mm x 1200mm
to suit 85mm external cavity	100mm x 120mm x 1200mm	100mm x 150mm x 1200mm	100mm x 380mm x 1200mm
to suit 90mm external cavity	105mm x 120mm x 1200mm	105mm x 150mm x 1200mm	105mm x 380mm x 1200mm
to suit 100mm external cavity	115mm x 120mm x 1200mm	115mm x 150mm x 1200mm	115mm x 380mm x 1200mm
to suit 115mm external cavity		130mm x 150mm x 1200mm	130mm x 380mm x 1200mm

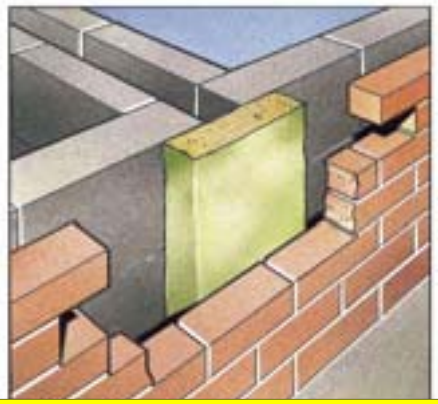
other sizes available to suit up to 150mm cavity width - details on request

552 Masonry Cavity Stop Sock

For separating floor junctions and eaves level



For junctions of external cavity wall and internal wall



Party Wall Range for external cavity wall and internal cavity wall junctions

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Meeting the Sound Flanking Transmission Guidance given in 2003 Approved Document E for Timber Frame Constructions

(see below for Approved Document page references)

Section 2 of Approved Document E (2003 Edition) of The Building Regulations 2000 states - in order for the construction to be fully effective, care should be taken to correctly detail the junctions between the separating wall and other elements, such as floors, roofs, external walls and internal walls. Recommendations are also given for the construction of these elements, where it is necessary to control flanking transmission (paragraph 2.9 on page 16)

Section 3 of Approved Document E (2003 Edition) of The Building Regulations 2000 states - in order for the construction to be fully effective, care should be taken to correctly detail the junctions between the separating floor and other elements, such as external walls, separating walls and floor penetrations. Recommendations are also given for the construction of these other elements where it is necessary to control flanking transmission (paragraph 3.10 on page 38)

In timber frame constructions Mayplas 551 Timber Frame Cavity Barrier is the ideal solution for the control of sound flanking transmission and can be used in all wall and floor junctions detailed in Approved Document E where cavity stop or flexible closer are mentioned

Mayplas 551 Timber Frame Cavity Barrier meets the requirements of Robust Details Part E in constructions where "close cavity with flexible cavity stop" is specified

Section 2: Separating Walls & associated flanking constructions for new buildings

Wall Type 1: Solid Masonry - Guidance for Junctions

Page 22: Diagram 2-9: junctions with an external cavity wall with timber frame inner leaf

Wall Type 2: Cavity Masonry - Guidance for Junctions

Page 27: Diagram 2-22: junctions with an external cavity wall with timber frame inner leaf

Wall Type 4: Framed walls with absorbent material - Guidance for Junctions

Page 36: Diagram 2-38: junctions with an external cavity wall with timber frame inner leaf

Page 37: Paragraph 2.161: junctions with ceiling and roof space
- the junction between the separating wall and the roof should be filled with a flexible closer

Page 37: Paragraph 2.163: external cavity wall at eaves level
- where there is an external wall cavity, the cavity should be closed at eaves level with a suitable material

Section 3: Separating Floors & associated flanking constructions for new buildings

Floor Type1: Concrete base with ceiling and soft floor covering - Guidance for Junctions

Page 42: Paragraph 3.36 (a): junctions with an external cavity wall with timber frame inner leaf
- where the external wall is a cavity wall the cavity should be stopped with a flexible closer

Floor Type 2: Concrete base with ceiling and floating floor - Guidance for Junctions

Page 47: Paragraph 3.74 (b): junctions with an external cavity wall with timber frame inner leaf
- where the external wall is a cavity wall the cavity should be stopped with a flexible closer

Floor Type 3: Timber frame base with ceiling and platform floor - Guidance for Junctions

Page 50: Paragraph 3.109 (b): junctions with an external cavity wall with timber frame inner leaf
- where the external wall is a cavity wall the cavity should be stopped with a flexible closer

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In traditional masonry constructions Mayplas 552 Masonry Cavity Stop Sock is the ideal solution for the control of sound flanking transmission and can be used in all wall and floor junctions detailed in Approved Document E where cavity stop or flexible closer are mentioned

Mayplas 552 Masonry Cavity Stop Sock meets the requirements of Robust Details Part E in constructions where "close cavity with flexible cavity stop" is specified

Section 2: Separating Walls & associated flanking constructions for new buildings

Wall Type 1: Solid Masonry - Guidance for Junctions

Page 21: Diagram 2-5: junctions with an external cavity wall with masonry inner leaf
Page 21: Diagram 2-7: tied junction - external cavity wall with internal masonry wall
Page 23: Diagram 2-13: ceiling and roof junction
Page 23: Diagram 2-14: external cavity wall at eaves level

Wall Type 2: Cavity Masonry - Guidance for Junctions

Page 26: Diagram 2-19: junctions with an external cavity wall with masonry inner leaf
Page 27: Diagram 2-20: junctions with an external cavity wall with masonry inner leaf - stagger
Page 27: Diagram 2-21: tied junction - external cavity wall with internal masonry wall
Page 28: Diagram 2-25: ceiling and roof junction
Page 29: Diagram 2-26: external cavity wall at eaves level

Wall Type 3: Masonry between independent panels - Guidance for Junctions

Page 32: Diagram 2-31: junctions with an external cavity wall with masonry inner leaf
Page 32: Diagram 2-32: junctions with an external cavity wall with internal timber wall
Page 34: Diagram 2-35: ceiling and roof junction

Section 3: Separating Floors & associated flanking constructions for new buildings

Floor Type1: Concrete base with ceiling and soft floor covering - Guidance for Junctions

Page 42: Diagram 3-5: junctions with an external cavity wall with masonry inner leaf

Floor Type 2: Concrete base with ceiling and floating floor - Guidance for Junctions

Page 47: Diagram 3-16: junctions with an external cavity wall with masonry internal leaf

Floor Type 3: Timber frame base with ceiling and platform floor - Guidance for Junctions

Page 50: Paragraph 3.103 (b): where the external wall is a cavity wall the cavity should be stopped with a flexible closer

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Meeting the Fire Cavity Barrier Guidance given in 2000 Approved Document B for Masonry & Timber Frame Constructions

(see below for Approved Document page references)

Section 10 of Approved Document B (2000 Edition) of The Building Regulations 2000 states - concealed spaces or cavities in the construction of a building provide a ready route for smoke and flame spread ….

Provisions are made to restrict this by interrupting cavities which could form a pathway around a barrier to fire, sub-dividing extensive cavities, and by closing the edges of openings (paragraph 10.1 on page 73)

The Regulations require that every cavity barrier should be constructed to provide at least 30 minutes fire resistance (paragraph 10.6 on page 76)

In timber frame constructions Mayplas 551 Timber Frame Cavity Barrier is the ideal cavity barrier solution and can be used in cavities up to 150mm wide - the Standard Range has been tested by Warrington Fire Research (WFRC No: C83002) to provide 1 hour fire resistance - double the minimum requirement

In traditional masonry constructions Mayplas 552 Masonry Cavity Stop Sock is the ideal cavity barrier solution and can be used in cavities up to 150mm wide - the Standard Range has been tested by Warrington Fire Research (WFRC No: C82327) to provide 1 hour fire resistance - double the minimum requirement

Mayplas Deluxe and Party Wall Ranges have been assessed by Warrington Fire Research to provide 2 hours fire resistance (WFRC No: 14354 Issue 2)

Mayplas 551 Timber Frame Cavity Barrier can be used as required in Table 13 Provision of Cavity Barriers (page 74) as follows:-

1: At the junction between an external cavity wall and a compartment wall that separates buildings; and at the top of such an external cavity wall

3: At the junction between an external cavity wall and every compartment floor and compartment wall

4: At the junction between a cavity wall and every compartment floor, compartment wall, or other wall or door assembly which forms a fire-resisting barrier

8: To sub-divide any cavity so that the distance between cavity barriers does not exceed the dimensions given in Table 14 (page 75)

10: At the edges of cavities (including around openings – such as doors and window frames)

Maximum Dimensions of Concealed Spaces

Paragraph 10.10 (page 77) states: with the exceptions given in paragraphs 10.11 to 10.13 extensive concealed spaces should be sub-divided to comply with the dimensions in Table 14 (page 75)

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Ordering Information - sizes - pack quantities - product codes






Standard range 1 hour fire resistance which exceeds requirements of 2000 Approved Document B		meets guidance on control of sound flanking transmission in 2003 Approved Document E and Robust Details Part E		551 Timber Frame Cavity Barrier	552 Masonry Cavity Stop Sock
65mm x 65mm x 1200mm	40 per pack	48 lin m pack	for 50mm cavity	194020652	194030651
75mm x 90mm x 1200mm	35 per pack	42 lin m pack	for 60mm cavity	194020752	194030751
85mm x 120mm x 1200mm	20 per pack	24 lin m pack	for 70mm cavity	194020862	194030852
90mm x 120mm x 1200mm	20 per pack	24 lin m pack	for 75mm cavity	194020902	194030902
100mm x 120mm x 1200mm	20 per pack	24 lin m pack	for 85mm cavity	194021020	194031052
105mm x 120mm x 1200mm	20 per pack	24 lin m pack	for 90mm cavity	194021052	194031054
115mm x 120mm x 1200mm	15 or 20 per pack	18 or 24 lin m pack	for 100mm cavity	194021157	194031155
Deluxe range provides 2 hours fire resistance which exceeds requirements of 2000 Approved Document B		**meets guidance on control of sound flanking transmission in 2003 Approved Document E and Robust Details Part E**		**551 Timber Frame Cavity Barrier**	**552 Masonry Cavity Stop Sock**
65mm x 150mm x 1200mm	20 per pack	24 lin m pack	for 50mm cavity	194020654	194030655
75mm x 150mm x 1200mm	20 per pack	24 lin m pack	for 60mm cavity	194020753	194030753
85mm x 150mm x 1200mm	20 per pack	24 lin m pack	for 70mm cavity	194020865	194030853
90mm x 150mm x 1200mm	20 per pack	24 lin m pack	for 75mm cavity	194020903	194030904
100mm x 150mm x 1200mm	15 per pack	18 lin m pack	for 85mm cavity	194021021	194031051
105mm x 150mm x 1200mm	15 per pack	18 lin m pack	for 90mm cavity	194021053	194031057
115mm x 150mm x 1200mm	10 or 15 per pack	12 or 18 lin m pack	for 100mm cavity	19402115X	194031159
130mm x 150mm x 1200mm	10 per pack	12 lin m pack	for 115mm cavity	194021315	194031300
all other sizes available to suit cavities up to 150mm wide					
Party Wall range provides 2 hours fire resistance for party wall cavities up to 80mm wide - for party wall cavities over 80mm contact Sales Office		**meets guidance on control of sound flanking transmission in 2003 Approved Document E and Robust Details Part E**		**551 Timber Frame Cavity Barrier**	**552 Masonry Cavity Stop Sock**
65mm x 380mm x 1200mm	10 per pack	12 lin m pack	for 50mm external cavity	194023065	194033050
75mm x 380mm x 1200mm	5 per pack	6 lin m pack	for 60mm external cavity	194023075	194033060
85mm x 380mm x 1200mm	5 per pack	6 lin m pack	for 70mm external cavity	194023078	194033068
90mm x 380mm x 1200mm	5 per pack	6 lin m pack	for 75mm external cavity	194023080	194033075
100mm x 380mm x 1200mm	5 per pack	6 lin m pack	for 85mm external cavity	194023085	194033085
105mm x 380mm x 1200mm	5 per pack	6 lin m pack	for 90mm external cavity	194023090	194033090
115mm x 380mm x 1200mm	5 per pack	6 lin m pack	for 100mm external cavity	194023100	194033100
130mm x 380mm x 1200mm	5 per pack	6 lin m pack	for 115mm external cavity	194023115	194033115
all other sizes available to suit external cavities up to 150mm wide					

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Sales Office Opening Hours

Monday - Thursday: 0830 - 1730
Friday: 0830 - 1700

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09/05

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