# MP551 Timber Frame Cavity Barrier and Timber Frame Party Wall Barrier



Technical Data Sheet



Designed to provide fire compartmentation within concealed voids within the external fabric of a timber frame building.

## PRODUCT

MP551 Timber Frame Cavity Barrier & MP551 Timber Frame Party Wall Barrier are polythene enclosed stone mineral wool cavity barriers manufactured in sizes to suit customer specified cavity widths.

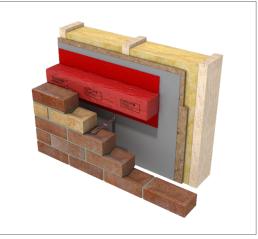
MP551 Timber Frame Cavity Barriers assist in satisfying requirements of guidance documents such as Approved Document B and The Scottish Technical Handbooks.

MP551 Timber Frame Cavity Barriers are suitable for both vertical and horizontal positioning to the edge of cavities such around openings, at compartment lines and to subdivide cavities.

MP551 Timber Frame Party Wall Barrier is suitable for use at party wall lines.

MP551 is stapled at 150mm centres to the inner OSB substrate at designated positions prior to brickwork being erected which then compresses the barrier within the cavity creating a seal against smoke and heat transmission.

FEATURE	BENEFIT		
Can be used for cavities from 35-150mm	Wide range of cavities gives greater design scope		
Tested to BS EN1366-4:2021 for up to 60 minutes fire integrity (E)	Achieves the desired fire performance for compartmentation Suitable for vertical and horizontal applications for mid- cavity and around apertures such as doors and windows		
Tested at both mid-cavity and flush to apertures, as per the requirement of BS EN1366-4:2021			
Suitable for party wall cavities from 50-100mm	MP551 Party Wall Barrier sizes permit flexibility in design		
Closed state barrier	Assists in reducing flanking sound transmission between properties		



MP551 Timber Frame Cavity Barrier - mid-cavity (construction by others)



MP551 Timber Frame Cavity Barrier - around aperture (construction by others)



MP551 Timber Frame Party Wall Barrier - installed vertically (construction by others)

# MP551 TIMBER FRAME CAVITY BARRIER

Fixings	Staples at minimum 150mm centres		
DPC	When installing Mayplas MP551 Timber Frame Cavity Barrier it may be necessary to consider additional use of DPC's and/or cavity trays in line with relevant Building Control guidance.		
Width of cavity	35 to 150mm cavities		
Compression	15mm		
Thermal Conductivity (W/mK)	0.037		
Fire Resistance Integrity (E) Insulation (I	MP551 Timber Frame Cavity has been independently tested in accordance with BS EN 1366-4:2021 and subsequently assessed as a Field of Application		
Field of application report number	WF 547245		

Max Cavity Width	Product Orientation	Fire Resistance mid cavity (mins)		Fire Resistance apertures (mins)		Product Dimensions
(up to)	Orientation	Integrity (E)	Insulation (I)	Integrity (E)	Insulation (I)	(mm)
35 mm		60	45	30	30	50x65x1200
40 mm						55x65x1200
45 mm	Horizontal or Vertical					60x65x1200
50 mm						65x65x1200
55 mm						70x65x1200
60 mm		60 60 30	60		15	75x90x1200
65 mm	Horizontal or Vertical			30		80x90x1200
70 mm					85x90x1200	
75 mm			15	45	15	90x100x1200
80 mm						95x100x1200
85 mm						100x100x1200
90 mm						105x100x1200
95 mm	Horizontal or	orizontal or 60 Vertical				110x100x1200
100 mm						115x100x1200
105 mm						120x100x1200
110 mm						125x100x1200
115 mm						130x100x1200
120 mm		16	20	45 Horizontal Only	20 Horizontal Only	135x130x1200
125 mm						140x130x1200
130 mm						145x130x1200
135 mm	5 mm					150x130x1200
140 mm						155x130x1200
145 mm						160x130x1200
150 mm						165x130x1200

## MP551 TIMBER FRAME PARTY WALL BARRIER

	Fixings	Staples at minimum 150mm centres	MP551
	DPC	When installing Mayplas MP551 Timber Frame Cavity Barrier it may be necessary to consider additional use of DPC's and/or cavity trays in line with relevant Building Control guidance.	
	Width of cavity	35 to 150mm cavities	
	Compression	15mm	
	Thermal Conductivity (W/mK)	0.037	MP551 Party Wa
Ir	Fire Resistance ntegrity (E) Insulation (I)	MP551 Timber Frame Cavity has been independently tested in accordance with BS EN 1366-4:2021 and subsequently assessed as a Field of Application	
	Field of application	WF 547245	Masonry Timber Party Wa
Ir	0,	Field of Application	Tim



Max External	Product Orientation	Fire Resistance (mins)		Product Dimensions (mm)		
Cavity Width (up to)		Integrity (E)	Insulation (I)	for 50mm PW Cavities	for 75mm PW Cavities	for 100mm PW Cavities
35 mm		60	60	50x180x1200	50x210x1200	50x230x1200
40 mm				55x180x1200	55x210x1200	55x230x1200
45 mm	Vertical			60x180x1200	60x210x1200	60x230x1200
50 mm				65x180x1200	65x210x1200	65x230x1200
55 mm				70x180x1200	70x210x1200	70x230x1200
60 mm		90	90	75x230x1200	75x260x1200	75x280x1200
65 mm	Vertical			80x230x1200	80x260x1200	80x280x1200
70 mm				85x230x1200	85x260x1200	85x280x1200
75 mm		60	60	90x270x1200	90x300x1200	90x320x1200
80 mm				95x270x1200	95x300x1200	95x320x1200
85 mm	Vertical			100x270x1200	100x300x1200	100x320x1200
90 mm				105x270x1200	105x300x1200	105x320x1200
95 mm				110x270x1200	110x300x1200	110x320x1200
100 mm				115x270x1200	115x300x1200	115x320x1200
105 mm		90	90	120x350x1200	120x380x1200	120x400x1200
110 mm				125x350x1200	125x380x1200	125x400x1200
115 mm				130x350x1200	130x380x1200	130x400x1200
120 mm	Vertical			135x350x1200	135x380x1200	135x400x1200
125 mm				140x350x1200	140x380x1200	140x400x1200
130 mm				145x350x1200	145x380x1200	145x400x1200
135 mm				150x350x1200	150x380x1200	150x400x1200
140 mm				155x350x1200	155x380x1200	155x400x1200
145 mm				160x350x1200	160x380x1200	160x400x1200
150 mm				165x350x1200	165x380x1200	165x400x1200

#### Management Systems

Certified as meeting the requirements of ISO 9001, ISO 14001, ISO 45001 NBS

Our products can be found on NBS Source. **Storage** 

Mayplas cavity barriers are supplied in polythene packs.

Keep dry during delivery and storage. Products should be stored away from the elements until ready for installation. Installation

See separate installation guidelines.

#### Operation

The product is intended to be static post installation. There is no operator



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involvement in its use

### Maintenance

The products intended use and design, along with its often-inaccessible location post construction, means there are no maintenance requirements.

IMPORTANT: The information provided within this document is believed correct and to the best of our available knowledge as at its revision date. The information should only be used as guidance for safe handling, use, processing, storage, transportation and disposal and should not be considered as obligation in respect of warranty of (technical) performance, quality (specification) or subability for any particular application. It is strongly recommended that prospective users test a sample of product under their own conditions to satisfy themselves of its subability for any applications are contemplated, or where the extent of any application is in doubt. Due to our policy of continuous improvement we reserve the right to alter or amend published specification or design without prior notice. Reproduction of any part of this publication in any manner is not permitted without our prior written consent.