Party Wall DPC
MP557

MAYPLAS
INSULATION THROUGH INNOVATION

Technical Data Sheet

Designed to prevent the passage of fire within external masonry wall locations and to assist in reducing flanking sound transmission at party wall/external masonry wall junctions and mid-cavity applications.

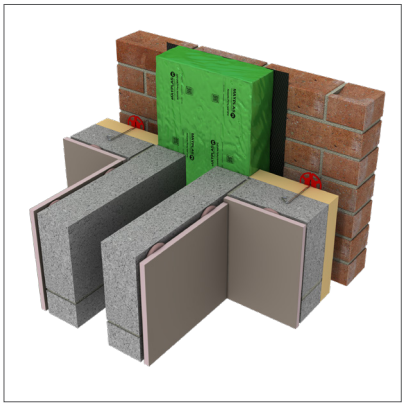
PRODUCT

A polyethene enclosed stone mineral wool slab bonded to a polyethylene DPC intended for vertical applications to suit specified widths.

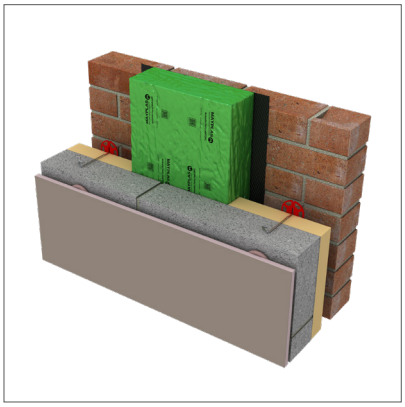
MP557 Party Wall DPC cavity barriers assist in satisfying requirements of guidance documents such as Approved Document B and The Scottish Technical Handbooks.

MP557 Party Wall DPC is placed at designated positions during erection of masonry which then compresses the barrier between the inner and outer leaf within the cavity creating a seal against smoke and heat transmission.

FEATURES	BENEFITS
Suitable for external cavities from 35mm to 185mm wide for both party wall and mid cavity applications.	Wider cavities give design scope
Tested to BS EN 1366-4:2021 for up to 120 minutes Integrity (E)	Suitable for vertical applications, MP557 prevents the spread of fire and smoke in all three directions at a party wall junction
Closed state barrier	Assists in reducing flanking sound transmission between properties
Polyethene enclosed	The polyethene enclosure prevents water ingress into the mineral wool during installation
Integral DPC	Prevents moisture transmission across the cavity

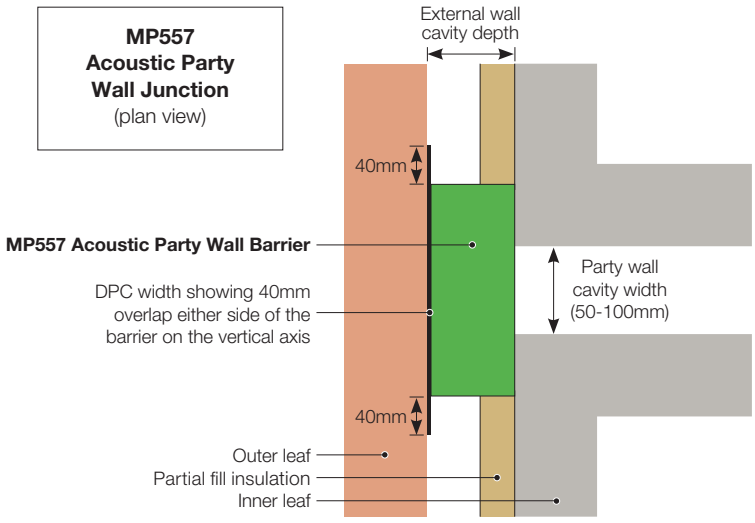


Polyethene enclosed Party Wall DPC at junction of party wall and external cavity (construction by others)



Polyethene enclosed Party Wall DPC mid cavity (construction by others).

MP557 Acoustic Party Wall Junction
(plan view)



TECHNICAL PROPERTIES

DPC	The DPC is 1300mm long allowing a 100mm overlap at the bottom of each barrier. A 40mm DPC overlap either side of the insulation. See tables below for specific DPC widths. The 100mm overlap ensures that any moisture remains on the face of the integral DPC preventing moisture ingress into barrier itself. The DPC conforms to BS 6515.
Facing	Polyethylene enclosed. The polyethene assists in preventing moisture ingress into the stone mineral wool barrier during installation.
Party Wall Cavity Size	Maximum party wall cavity width shown is 100mm. For larger party wall cavity widths please contact our sales office.
Width of cavity (for barriers)	For 35mm to 185mm wide external wall cavities
Compression	10mm
Fire Resistance	MP557 has been independently. Tested to BS EN 1366-4:2021 for up to 120 minutes Integrity (E).
Thermal Conductivity	0.035 W/mK
Field of application	Report WF 549688

Management Systems
Certified as meeting the requirements of
ISO 9001, ISO 14001, ISO 45001

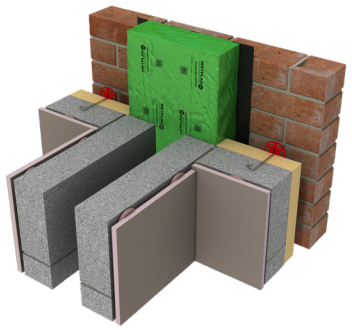
NBS
Our products can be found on NBS Source.

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

Installation
The integral DPC must be installed with the DPC located to the rear of the outer masonry layer.

The 100mm DPC at the bottom of each barrier should be overlapped with the lower barrier to prevent moisture ingression.

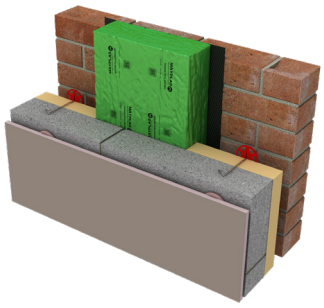
MP557 PARTY WALL BARRIER



Max External Cavity Width (up to)	Product Orientation	Fire Resistance (mins)		Insulation Dimensions w x d x l (mm)		
		Integrity (E)	Insulation (I)	for 50mm PW Cavities	for 75mm PW Cavities	for 100mm PW Cavities
35 mm	Vertical	120	60	45x190x1200	45x215x1200	45x240x1200
40 mm				45x190x1200	50x215x1200	50x240x1200
45 mm				55x190x1200	55x215x1200	55x240x1200
50 mm				60x190x1200	60x215x1200	60x240x1200
55 mm				65x190x1200	65x215x1200	65x240x1200
60 mm				70x190x1200	70x215x1200	70x240x1200
65 mm				75x190x1200	75x215x1200	75x240x1200
70 mm				80x190x1200	80x215x1200	80x240x1200
75 mm	Vertical	120	90	85x310x1200	85x335x1200	85x360x1200
80 mm				90x310x1200	90x335x1200	90x360x1200
85 mm				95x310x1200	95x335x1200	95x360x1200
90 mm				100x310x1200	100x335x1200	100x360x1200
95 mm				105x310x1200	105x335x1200	105x360x1200
100 mm				110x310x1200	110x335x1200	110x360x1200
105 mm				115x310x1200	115x335x1200	115x360x1200
110 mm				120x310x1200	120x335x1200	120x360x1200
115 mm	Vertical	90	60	125x350x1200	125x375x1200	125x400x1200
120 mm				130x350x1200	130x375x1200	130x400x1200
125 mm				135x350x1200	135x375x1200	135x400x1200
130 mm				140x350x1200	140x375x1200	140x400x1200
135 mm				145x350x1200	145x375x1200	145x400x1200
140 mm				150x350x1200	150x375x1200	150x400x1200
145 mm				155x350x1200	155x375x1200	155x400x1200
150 mm				160x350x1200	160x375x1200	160x400x1200
155 mm				165x350x1200	165x375x1200	165x400x1200
160 mm				170x350x1200	170x375x1200	170x400x1200
165 mm				175x350x1200	175x375x1200	175x400x1200
170 mm				180x350x1200	180x375x1200	180x400x1200
175 mm				185x350x1200	185x375x1200	185x400x1200
180 mm				190x350x1200	190x375x1200	190x400x1200
185 mm				195x350x1200	195x375x1200	195x400x1200

NOTE: DPC dimensions are d + 80mm and l +100mm

MP557 CAVITY BARRIER - installed mid-cavity



Max Cavity Width (up to)	Product Orientation	Fire Resistance mid cavity (mins)		Insulation Dimensions w x d x l (mm)
		Integrity (E)	Insulation (I)	
35 mm	Vertical	120	45	45x70x1200
40 mm				50x70x1200
45 mm				55x70x1200
50 mm				60x70x1200
55 mm				65x70x1200
60 mm				70x70x1200
65 mm				75x70x1200
70 mm				80x70x1200
75 mm	Vertical	120	90	85x130x1200
80 mm				90x130x1200
85 mm				95x130x1200
90 mm				100x130x1200
95 mm				105x130x1200
100 mm				110x130x1200
105 mm				115x130x1200
110 mm				120x130x1200
115 mm	Vertical	90	60	
120 mm				
125 mm				135x150x1200
130 mm				140x150x1200
135 mm				145x150x1200
140 mm				150x150x1200
145 mm				155x150x1200
150 mm				160x150x1200
155 mm				165x150x1200
160 mm				170x150x1200
165 mm				175x150x1200
170 mm				180x150x1200
175 mm				185x150x1200
180 mm				190x150x1200
185 mm				195x150x1200

NOTE: DPC dimensions are d + 80mm and l +100mm

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Issue 4 - 07/2025 JW