

# Party Wall DPC

## MP557

### Technical Data Sheet



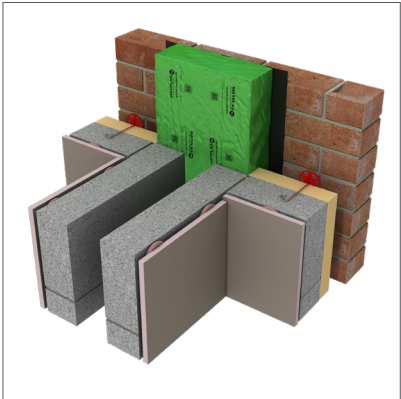
**Designed to prevent the passage of fire within external masonry wall locations and to assist in reducing flanking sound transmission at party wall/external masonry wall junctions and mid-cavity applications.**

#### PRODUCT

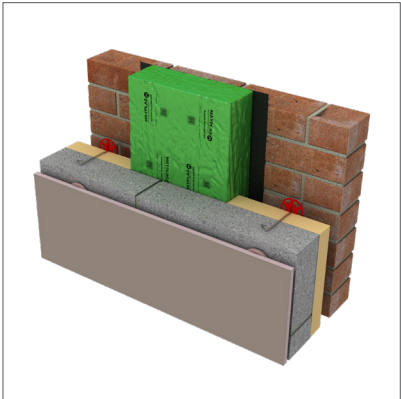
A polyethene enclosed stone mineral wool slab bonded to a polyethylene DPC intended for vertical applications to suit specified widths.

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.

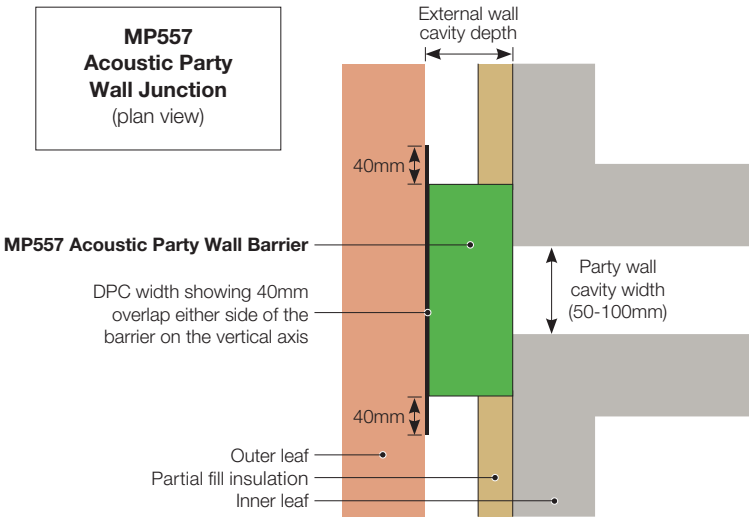


Polyethene enclosed Party Wall DPC at junction of party wall and external cavity (construction by others)



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

| 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                                                                                 |



## TECHNICAL PROPERTIES

|                                |                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DPC                            | <p>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.</p> <p>The 100mm overlap ensures that any moisture remains on the face of the integral DPC preventing moisture ingress into barrier itself.</p> <p>The DPC conforms to BS 6515.</p> |
| Facing                         | <p>Polyethylene enclosed.</p> <p>The polyethene assists in preventing moisture ingress into the stone mineral wool barrier during installation.</p>                                                                                                                                                                                                               |
| Party Wall Cavity Size         | <p>Maximum party wall cavity width shown is 100mm.</p> <p>For larger party wall cavity widths please contact our sales office.</p>                                                                                                                                                                                                                                |
| Width of cavity (for barriers) | <p>For 35mm to 185mm wide external wall cavities</p>                                                                                                                                                                                                                                                                                                              |
| Compression                    | <p>10mm Minimum. NOTE: Greater compression has no impact upon stated fire resistance.</p>                                                                                                                                                                                                                                                                         |
| Fire Resistance                | <p>MP557 has been independently.</p> <p>Tested to BS EN 1366-4:2021 for up to 120 minutes Integrity (E).</p>                                                                                                                                                                                                                                                      |
| Thermal Conductivity           | <p>0.035 W/mK</p>                                                                                                                                                                                                                                                                                                                                                 |
| Field of application           | <p>Report WF 549688</p>                                                                                                                                                                                                                                                                                                                                           |

### Management Systems

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

### NBS

Our products can be found on NBS Source.

### Storage and Handling

- Keep the product dry and undercover
- Suitable handling equipment will be required for bulky products or pallets
- DO NOT stack products or pallets as these will become unstable

### 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.

### Operation

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

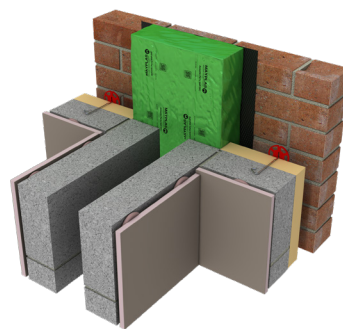
### Health & Safety

- Dry working by cutting or handling non-encapsulated products may release fibre dusts
- Use suitable PPE for site hazards
- Where possible use on tool dust extraction with HEPA filter
- EH40 LTEL "MMMMF" 5mg/m3 & 2 fibres/ml

### Packaging & Product Disposal

- DO NOT remove the printed polythene sleeve which is part of the product
- Pallets can be readily re-used
- Pallet wrap / covers should be placed in an appropriate waste stream
- Returns are based upon prior approval and acceptance for re-stock
- The product remains in the construction until demolition or refurbishment
- As a future event the project lead should apply the contemporary national and local regulations

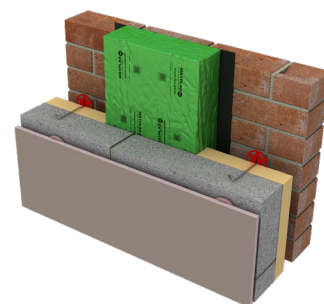
## MP557 PARTY WALL BARRIER



| 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<br>(up to) | Product Orientation | Fire Resistance mid cavity (mins) |                | Insulation Dimensions<br>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