

# MP552 Masonry Cavity Barrier and Masonry Party Wall Barrier

## Technical Data Sheet



**Designed to provide fire compartmentation within concealed voids within the external fabric of a masonry wall construction.**

### PRODUCT

MP552 Masonry Cavity Barrier & MP552 Masonry Party Wall Barrier are polythene enclosed stone mineral wool cavity barriers manufactured in sizes to suit specified cavity widths.

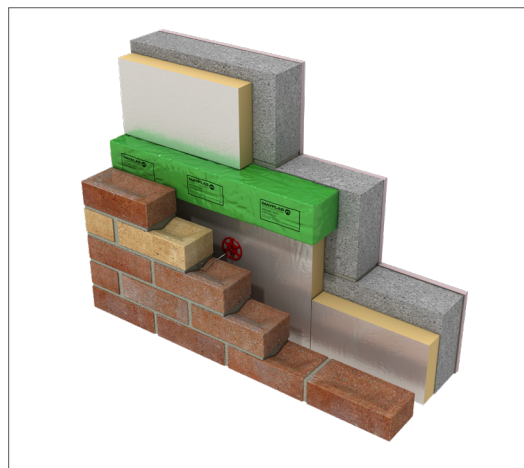
MP552 Masonry Cavity Barriers assist in satisfying requirements of guidance documents such as Approved Document B and The Scottish Technical Handbooks.

MP552 Masonry Cavity Barriers are suitable for both vertical and horizontal positioning to the edge of cavities such as around openings, at compartment lines and to sub-divide cavities.

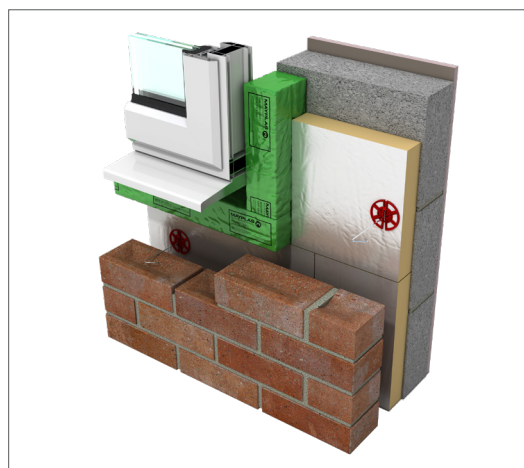
MP552 Masonry Party Wall Barriers is suitable for use at party wall lines.

MP552 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.

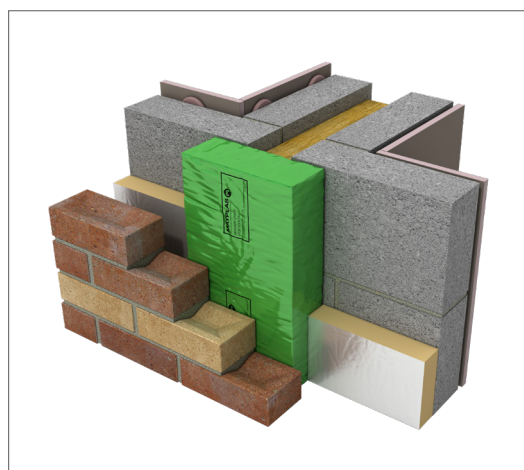
| FEATURE                                                                                      | BENEFIT                                                                                                         |
|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Can be used for cavities from 35-235mm                                                       | Wide range of cavities gives design scope                                                                       |
| Tested to BS EN1366-4:2021 for up to 60 minutes fire integrity (E)                           | Achieves the desired fire performance for compartmentation                                                      |
| Tested at both mid-cavity and flush to apertures, as per the requirement of BS EN1366-4:2021 | Suitable for vertical and horizontal applications for mid-cavity and around apertures such as doors and windows |
| Suitable for party wall cavities from 50-100mm                                               | MP552 Party Wall Barrier sizes permit flexibility in design                                                     |
| Closed state barrier                                                                         | Assists in reducing flanking sound transmission between properties                                              |



MP552 Masonry Cavity Barrier - mid-cavity  
(construction by others)



MP552 Masonry Cavity Barrier - around aperture  
(construction by others)



MP552 Masonry Party Wall Barrier - installed vertically  
(construction by others)

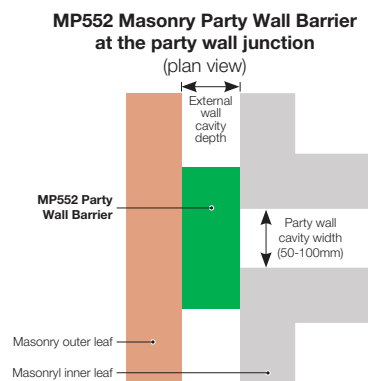
## MP552 CAVITY BARRIER

|                                              |                                                                                                                                                                                   |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DPC                                          | When installing Mayplas MP552 Masonry Cavity Barriers 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 235mm cavities                                                                                                                                                              |
| Compression                                  | 15mm Minimum. NOTE: Greater compression has no impact upon stated fire resistance.                                                                                                |
| Thermal Conductivity (W/mK)                  | 0.037                                                                                                                                                                             |
| Fire Resistance Integrity (E) Insulation (I) | MP552 Masonry Cavity Barriers have 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 547246                                                                                                                                                                         |

| Max Cavity Width (up to) | Product Orientation    | Fire Resistance mid cavity (mins) |                | Fire Resistance apertures (mins) |                    | Product Dimensions (mm) |
|--------------------------|------------------------|-----------------------------------|----------------|----------------------------------|--------------------|-------------------------|
|                          |                        | Integrity (E)                     | Insulation (I) | Integrity (E)                    | Insulation (I)     |                         |
| 35 mm                    | Horizontal or Vertical | 60                                | 45             | 30                               | 30                 | 50x65x1200              |
| 40 mm                    |                        |                                   |                |                                  |                    | 55x65x1200              |
| 45 mm                    |                        |                                   |                |                                  |                    | 60x65x1200              |
| 50 mm                    |                        |                                   |                |                                  |                    | 65x65x1200              |
| 55 mm                    |                        |                                   |                |                                  |                    | 70x65x1200              |
| 60 mm                    | Horizontal or Vertical | 60                                | 60             | 30                               | 30                 | 75x90x1200              |
| 65 mm                    |                        |                                   |                |                                  |                    | 80x90x1200              |
| 70 mm                    |                        |                                   |                |                                  |                    | 85x90x1200              |
| 75 mm                    | Horizontal or Vertical | 60                                | 15             | 45                               | 15                 | 90x100x1200             |
| 80 mm                    |                        |                                   |                |                                  |                    | 95x100x1200             |
| 85 mm                    |                        |                                   |                |                                  |                    | 100x100x1200            |
| 90 mm                    |                        |                                   |                |                                  |                    | 105x100x1200            |
| 95 mm                    |                        |                                   |                |                                  |                    | 110x100x1200            |
| 100 mm                   |                        |                                   |                |                                  |                    | 115x100x1200            |
| 105 mm                   |                        |                                   |                |                                  |                    | 120x100x1200            |
| 110 mm                   |                        |                                   |                |                                  |                    | 125x100x1200            |
| 115 mm                   | Horizontal or Vertical | 45                                | 20             | 45 Horizontal Only               | 15 Horizontal Only | 130x100x1200            |
| 120 mm                   |                        |                                   |                |                                  |                    | 135x130x1200            |
| 125 mm                   |                        |                                   |                |                                  |                    | 140x130x1200            |
| 130 mm                   |                        |                                   |                |                                  |                    | 145x130x1200            |
| 135 mm                   |                        |                                   |                |                                  |                    | 150x130x1200            |
| 140 mm                   |                        |                                   |                |                                  |                    | 155x130x1200            |
| 145 mm                   |                        |                                   |                |                                  |                    | 160x130x1200            |
| 150 mm                   |                        |                                   |                |                                  |                    | 165x130x1200            |
| 155 mm                   | Horizontal or Vertical | 45                                | 15             | 90 Horizontal Only               | 15 Horizontal Only | 170x130x1200            |
| 160 mm                   |                        |                                   |                |                                  |                    | 175x130x1200            |
| 165 mm                   |                        |                                   |                |                                  |                    | 180x130x1200            |
| 170 mm                   |                        |                                   |                |                                  |                    | 185x130x1200            |
| 175 mm                   |                        |                                   |                |                                  |                    | 190x130x1200            |
| 180 mm                   |                        |                                   |                |                                  |                    | 195x130x1200            |
| 185 mm                   |                        |                                   |                |                                  |                    | 200x130x1200            |
| 190 mm                   |                        |                                   |                |                                  |                    | 205x130x1200            |
| 195 mm                   |                        |                                   |                |                                  |                    | 210x130x1200            |
| 200 mm                   |                        |                                   |                |                                  |                    | 215x130x1200            |
| 205 mm                   |                        |                                   |                |                                  |                    | 220x130x1200            |
| 210 mm                   |                        |                                   |                |                                  |                    | 225x130x1200            |
| 215 mm                   |                        |                                   |                |                                  |                    | 230x130x1200            |
| 220 mm                   |                        |                                   |                |                                  |                    | 235x130x1200            |
| 225 mm                   |                        |                                   |                |                                  |                    | 240x130x1200            |
| 230 mm                   |                        |                                   |                |                                  |                    | 245x130x1200            |
| 235 mm                   |                        |                                   |                |                                  |                    | 250x130x1200            |

## MP552 MASONRY PARTY WALL BARRIER

|                                              |                                                                                                                                                                                                                                                                                  |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DPC                                          | When installing Mayplas MP552 Masonry Cavity Barriers it may be necessary to consider additional use of DPC's and/or cavity trays in line with relevant Building Control guidance. Alternatively consider the use of MP557 Acoustic Party Wall DPC which has a DPC pre-attached. |
| Width of cavity                              | 35 to 150mm cavities                                                                                                                                                                                                                                                             |
| Compression                                  | 15mm Minimum.<br>NOTE: greater compression has no impact upon stated fire resistance.                                                                                                                                                                                            |
| Thermal Conductivity (W/mK)                  | 0.037                                                                                                                                                                                                                                                                            |
| Fire Resistance Integrity (E) Insulation (I) | MP552 Masonry Cavity Barriers have 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 547246                                                                                                                                                                                                                                                                        |



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

See separate installation guidelines.

## 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 dust
- Use suitable PPE for site hazards
- Where possible use on tool dust extraction with HEPA filter
- “Machine Made Mineral Fibre” the primary material has workplace exposure limits in HSE EH40

## Packaging & Product Disposal

- Pallets can be readily re-used
- Pallet wrap / covers should be placed in an appropriate waste stream
- The product remains in the construction until refurbishment or demolition as such the project lead should apply the contemporary national and local regulations for waste.