

FIREZERO Fire & Acoustic Party Wall DPC

Series 2500

DPC Party Wall Cavity Barrier for Masonry AND Framed Constructions

MDL Firezero Fire & Acoustic Party Wall DPC cavity barrier is manufactured from A1 non-combustible Rockwool insulation and encapsulated in a polythene sleeve.

This barrier has been designed to prevent fire penetration & water tracking, reduce sound transmission and help maintain thermal integrity in external wall cavities at party wall junctions and separating floors.

- ✓ Tested to BS EN1366-4 : 2021.
- ✓ 3rd party assessed and accredited certificate number IFCC 1926.
- ✓ Fire resistance up to 2 hours.
- ✓ Available for cavity widths 25-300mm.
- ✓ Suitable for horizontal & vertical applications.
- ✓ Meets requirements of Approved Document B.
- ✓ Meets requirements of Robust Detail Part E.
- ✓ Zero ODP and GWP.
- ✓ Easy to install.
- ✓ Integral DPC (to BS6515).



Product Information

FIREZERO Fire & Acoustic Party Wall DPC is supported by 3rd party test evidence to indicate its performance in cavity walls constructed from various substrates including masonry, timber frame, steel frame and through wall systems. It is used to close cavities for fire, thermal and acoustic purposes.

It is designed to be compression fitted into the cavity wall as the brickwork is constructed. No additional fixings are required.

The barrier should be compressed by a minimum of 10mm inside the finished cavity.

The barrier profile should be sized to completely encompass the party wall and overlap each inner wall equally.

Standard Fire & Acoustic Party Wall DPC

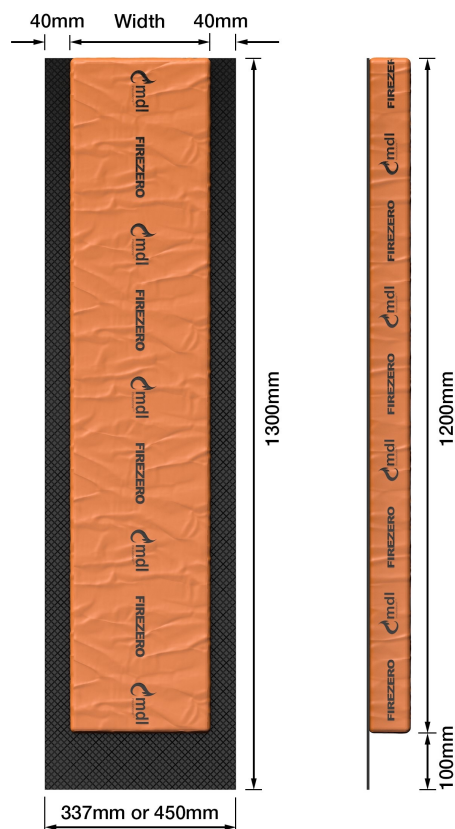
Product Code	Product Length (mm)	DPC length (mm)	DPC min width (mm)	To suit cavity width (mm)	Quantity per pack	Fire Rating Horizontal		Fire Rating Vertical	
						Integrity	Insulation	Integrity	Insulation
2500/50/337	1200	1300	337	50	10	120	120	120	60
2500/60/337	1200	1300	337	60	10	120	60	120	120
2500/65/337	1200	1300	337	65	8	120	60	120	120
2500/75/337	1200	1300	337	75	8	60	60	120	60
2500/80/337	1200	1300	337	80	8	60	60	90	60
2500/85/337	1200	1300	337	85	6	60	60	90	60
2500/90/337	1200	1300	337	90	6	60	60	90	60
2500/95/337	1200	1300	337	95	6	60	60	90	60
2500/100/337	1200	1300	337	100	6	60	60	90	60
2500/110/337	1200	1300	337	110	6	60	60	90	60
2500/115/337	1200	1300	337	115	6	60	60	90	60
2500/120/337	1200	1300	337	120	4	60	60	90	60
2500/125/337	1200	1300	337	125	4	60	60	90	60
2500/130/337	1200	1300	337	130	4	60	60	90	60
2500/135/337	1200	1300	337	135	4	60	60	90	60
2500/140/337	1200	1300	337	140	4	60	60	90	60
2500/145/337	1200	1300	337	145	4	60	60	90	60
2500/150/337	1200	1300	337	150	4	60	60	90	60

Product Information

300mm Wide Fire & Acoustic Party Wall DPC*

Product Code	Product Length (mm)	DPC length (mm)	DPC min width (mm)	To suit cavity width (mm)	Quantity per pack	Fire Rating Horizontal		Fire Rating Vertical	
						Integrity	Insulation	Integrity	Insulation
2500/050/300/450	1200	1300	450	50	8	120	120	120	60
2500/065/300/450	1200	1300	450	65	8	120	60	120	120
2500/075/300/450	1200	1300	450	75	8	60	60	120	60
2500/100/300/450	1200	1300	450	100	6	60	60	90	60
2500/110/300/450	1200	1300	450	110	4	60	60	90	60
2500/120/300/450	1200	1300	450	120	4	60	60	90	60
2500/125/300/450	1200	1300	450	125	4	60	60	90	60
2500/130/300/450	1200	1300	450	130	4	60	60	90	60
2500/140/300/450	1200	1300	450	140	4	60	60	90	60
2500/150/300/450	1200	1300	450	150	4	60	60	90	60

* other sizes are available on request. Available to suit both internal and external corner profiles.



Product Installation

All Constructions

1. Ensure the correct sized product is selected for the cavity sizes in your construction.
2. Position the DPC to the external leaf of the cavity. The 100mm DPC flap should be at the bottom of the barrier.
3. Ensure the width of the barrier bears equally onto both internal sections of the party wall to meet the performance required.
4. Cut back any installed cavity insulation to ensure the barrier is compressed between the inner and outer leaf.
5. Attention must be paid at joints to ensure they are tightly butt jointed to maintain a continuous fire and acoustic seal.
6. If any gaps are present or the barrier is damaged in any way this could result in a reduction of the stated performance.
7. At the top of the installation, the DPC should be extended and sealed to the inner leaf of the wall (or a lintel) to form a cavity tray.
8. When using multiple barriers, the 100mm DPC flap should be at the bottom, with additional barriers inside the DPC flap to prevent water ingress.



Can also be used horizontally at slab edged to form a DPC cavity tray.

Corner profiles also available, bespoke barriers can be manufactured to suit changes in the cavities around a corner for example where a cavity changes from 100mm to 150mm.



Technical Data

FIREZERO DPC Fire & Acoustic Party Wall DPC has been independently tested at Warringtonfire both vertically and horizontally to BS EN 1366-4:2021 utilising the new 10:1 ratio giving the barrier a fire rating up to 120 minutes. The polythene used to encapsulate this product is not classified as non-combustible.

IFC Certification undertook further assessments and deemed the product suitable for use with various boards on both timber and steel framing systems. Timber based boards must have a minimum density of 500kg/m³. Any other carrier board must have a minimum classification of A2 – s1 d0 in accordance with BS EN 13501-1. Minimum permissible thickness of boards is 9mm.

The barrier may be used to reduce the passage of flanking sound through external wall cavities. It complies with Approved Document E to the Building Regulations and provides at least 14 dB RW (75mm bearing) 18dB RW (100mm bearing) 23 dB RW (140mm bearing). It also helps in achieving requirements of Robust Details. Complies with Building Regulations in England, Wales, Scotland and Northern Ireland.

Environmental

Manufactured using stonewool slab which is 97% recyclable and classified as ZERO ODP and GWP. Our Barriers are packed in polythene bags and cardboard sleeves for protection and stability during transit. Both the polythene bags and cardboard sleeves are widely recyclable.

Storage

FIREZERO DPC Fire & Acoustic Party Wall DPC should be stored dry and out of direct sunlight.

COSHH

MDL are committed to supplying products which are both safe to install and manufactured in a safety conscious environment. We continue to assess all components used in our products to meet all the requirements of the Substances Hazardous to Health Regulations (COSHH). COSHH datasheets are available upon request for all MDL products and components used in our manufacturing processes.

Disclaimer:

The information provided in this datasheet is intended for general guidance purposes only and does not constitute professional advice. Users are advised to conduct their own tests and evaluations to determine the suitability of the product for their specific application to meet relevant fire safety standards. Use of all products should be approved by the appropriate designer under CDM 2015 regulations.

MDL Insulations Ltd. shall not be liable for any loss or damage, including but not limited to indirect or consequential loss or damage, or any loss or damage whatsoever arising from the use of this product or reliance on the information provided in this datasheet.

It is the responsibility of the user to ensure proper installation, maintenance, and compliance with relevant guidelines. By using this product, the user agrees to accept all risks associated with its use and releases the manufacturer from any liability whatsoever.



T: 01543 450311

F: 01543 450885

E: sales@mdlinsulations.co.uk

W: www.mdlinsulations.co.uk

Villa Works, 1 Plant Lane Business Park, Burntwood, Staffordshire WS7 3GN