

FIREZERO Edge Seal Cavity Barrier

Series 3100

Cavity Barrier for Masonry AND Framed Constructions

MDL Firezero Edge Seal Cavity Barrier is manufactured from A1 non-combustible Rockwool insulation and encapsulated in a heavy gauge orange polythene sleeve.

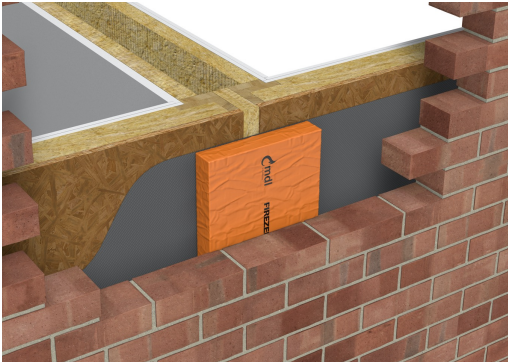
This barrier has been specifically designed to prevent fire penetration, reduce sound transmission and help maintain thermal integrity in external walls and at party wall junctions.

- ✓ 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 50-150mm.
- ✓ Suitable for horizontal & vertical applications.
- ✓ Meets requirements of Approved Document B.
- ✓ Meets requirements of Robust Detail Part E.
- ✓ Zero ODP and GWP.
- ✓ Heavy gauge polythene sleeved.



Installation

Masonry and Framed Construction



FIREZERO Edge Seal Cavity Barrier is designed to be compression fitted into the cavity wall during the brickwork process no additional fixing are required.

The barrier is designed to fully fill the cavity so it is essential to ensure the correct size barrier has been selected for the cavity width, and a minimum compression of 10mm is achieved on completion.

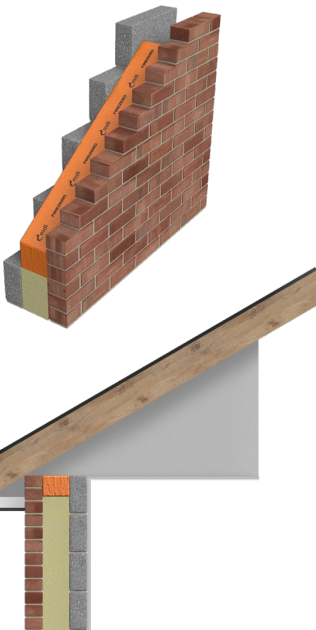
Any cavity insulation must be cut back to ensure correct compression of the barrier is maintained between the inner and outer leaf.

When used at party wall junctions the barrier should bear equally onto each leaf of the party wall.

Attention must be paid at joints to ensure they are tightly butt jointed and maintain a continuous fire seal.

If any gaps are present or the Edge Seal Cavity Barrier is damaged in any way this could result in a reduction of the stated performance.

Edge seal socks can be used to close the top of the cavity wall at eave's level and across the gable end, which helps reduce heat transmission/loss through the roof void.



All Constructions

Cut To Length

Open the polythene sleeve end seal.

Remove the barrier, cut to length and return to sleeve.

Trim excess polythene and reseal, or use it to weather an adjacent sock joint.

End of Run / Corners

The Barrier should be cut to the required length and tightly butt jointed. Barriers must not be bent around corners.



Product Information

Standard Edge Seal Cavity Barrier

Product Code	Thickness	Width	Lengths	Colour	Cavity Size	Fire Rating Horizontal		Fire Rating Vertical	
						Integrity	Insulation	Integrity	Insulation
3100/ES/100/040-50	65mm	100mm	1200mm	ORANGE	40-50mm	120	120	120	60
3100/ES/100/051-65	75mm	100mm	1200mm	ORANGE	51-65mm	120	60	120	120
3100/ES/100/066-75	85mm	100mm	1200mm	ORANGE	66-75mm	60	60	90	60
3100/ES/100/076-90	100mm	100mm	1200mm	ORANGE	76-90mm	60	60	90	60
3100/ES/100/091-100	110mm	100mm	1200mm	ORANGE	91-100mm	60	60	90	60
3100/ES/100/101-110	120mm	100mm	1200mm	ORANGE	101-110mm	60	60	90	60
3100/ES/100/110-120	130mm	100mm	1200mm	ORANGE	111-120mm	60	60	90	60
3100/ES/100/120-130	140mm	100mm	1200mm	ORANGE	121-130mm	60	60	90	60
3100/ES/100/131-140	150mm	100mm	1200mm	ORANGE	131-140mm	60	60	90	60
3100/ES/120/141-150	160mm	120mm	1200mm	ORANGE	141-150mm	60	60	90	60

Wide Edge Seal Cavity Barrier

Product Code	Thickness	Width	Lengths	Colour	Cavity Size	Fire Rating Horizontal		Fire Rating Vertical	
						Integrity	Insulation	Integrity	Insulation
3100/ES/300/040-50	65mm	100mm	1200mm	ORANGE	40-50mm	120	120	120	60
3100/ES/300/051-65	75mm	100mm	1200mm	ORANGE	51-65mm	120	60	120	120
3100/ES/300/066-75	85mm	100mm	1200mm	ORANGE	66-75mm	60	60	90	60
3100/ES/300/076-90	100mm	100mm	1200mm	ORANGE	76-90mm	60	60	90	60
3100/ES/300/091-100	110mm	100mm	1200mm	ORANGE	91-100mm	60	60	90	60
3100/ES/300/101-110	120mm	100mm	1200mm	ORANGE	101-110mm	60	60	90	60
3100/ES/300/110-120	130mm	100mm	1200mm	ORANGE	111-120mm	60	60	90	60
3100/ES/300/120-130	140mm	100mm	1200mm	ORANGE	121-130mm	60	60	90	60
3100/ES/300/131-140	150mm	100mm	1200mm	ORANGE	131-140mm	60	60	90	60
3100/ES/300/141-150	160mm	120mm	1200mm	ORANGE	141-150mm	60	60	90	60



Technical Data

FIREZERO Edge Seal Sock has been independently tested at Warrington fire both vertically and horizontally to BS EN 1366-4:2021 utilising the new 10:1 ratio giving the Multi Sock 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 Series 3100 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.

Meets the requirements of Approved Document E of the Building Regulations relating to sound transmission.

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. Series 1000 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

MDL Series 3100 should be stored dry and out of direct sunlight.

It is not recommended the packs are stored outside uncovered over night or during colder months.

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.



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