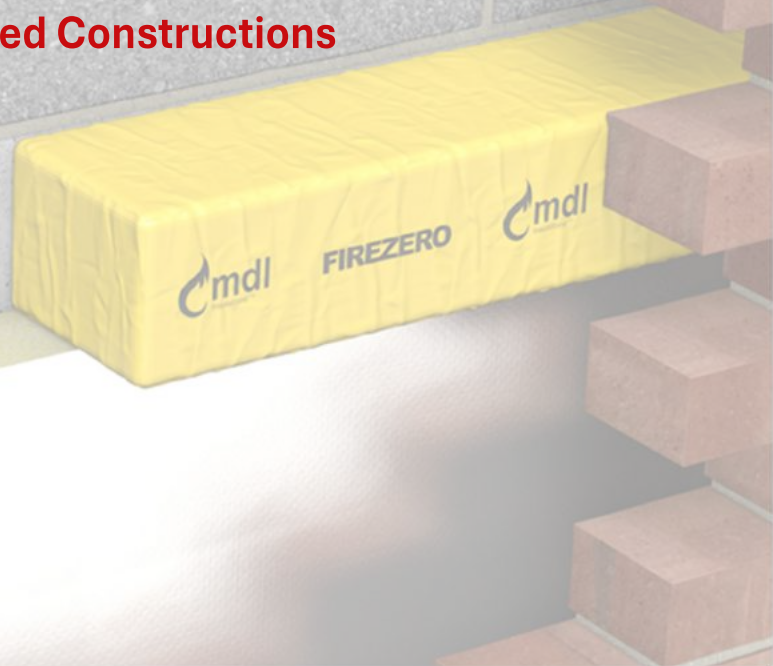


# FIREZERO Multi Sock

Series 2024

## Cavity Barrier for Masonry AND Framed Constructions

MDL Firezero Multi Sock is manufactured from A1 non-combustible Rockwool insulation and encapsulated in a colour coded polythene sleeve. This barrier has been specifically designed to prevent fire penetration, reduce sound transmission and help maintain thermal integrity in external walls.

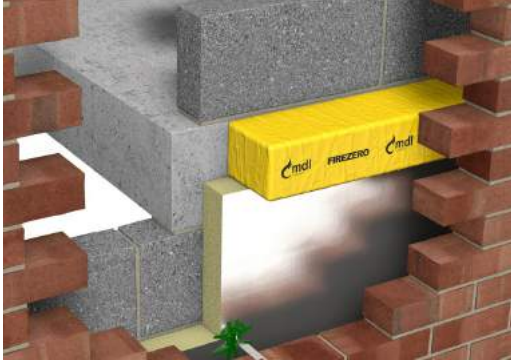


- ✓ Tested to BS EN1366-4:2021.
- ✓ 3rd Party Assessed & Accredited.
- ✓ Fire resistance up to 2 hours.
- ✓ Available for cavity widths 25 – 300mm.
- ✓ Suitable for horizontal & vertical applications.
- ✓ Satisfies Approved Document B.
- ✓ Satisfies Robust Detail Part E.
- ✓ Zero ODP and GWP.
- ✓ Easy to install.
- ✓ Colour coded.



## Installation

### Masonry Construction



FIREZERO Multi Sock is designed to be compression fitted into the cavity wall during the brickwork process, no additional fixings 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 of 10mm compression is achieved upon completion.

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

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 Multi Sock is damaged in any way this could result in a reduction of the stated performance.

### Framed Construction



FIREZERO Multi Sock is designed to be compression fitted into the cavity wall and is initially fixed through the polythene flanges using staples or clout nails at 150/200mm centres.

When the brickwork is complete the barrier is held in the cavity under a minimum of 10mm compression.

For vertical installation both flanges are fixed to the inner leaf.

For horizontal installation only the upper flange requires fixing.

### ALL CONSTRUCTIONS

**Windows & Doors** Around apertures it is recommended that the horizontal barrier should overlap the vertical barrier.

**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.



**Note:** For Party Wall Junctions MDL Series 2500 or Series 3300 should be used.

## Product Information

Product Code	Sock Size (1200mm length)	Lengths Per Pack	Sleeve Colour	Packs Per Pallet	Cavity Size	Fire Rating Horizontal		Fire Rating Vertical	
						Integrity	Insulation	Integrity	Insulation
2024/025-39	50 x 65mm	40	RED	15 BAGS	25-39mm	120	120	120	60
2024/040-50	65 x 65mm	40	RED	15 BAGS	40-50mm	120	120	120	60
2024/051-65	75 x 75mm	30	BLUE	15 BAGS	51-65mm	120	60	120	120
2024/066-75	85 x 100mm	18	PINK	13 BAGS	66-75mm	60	60	90	60
2024/076-90	100 x 100mm	18	PURPLE	15 BAGS	76-90mm	60	60	90	60
2024/091-100	110 x 100mm	18	GREEN	14 BAGS	91-100mm	60	60	90	60
2024/101-110	120 x 100mm	12	WHITE	18 BAGS	101-110mm	60	60	90	60
2024/111-120	130 x 100mm	12	WHITE	17 BAGS	111-120mm	60	60	90	60
2024/121-130	140 x 100mm	12	BROWN	16 BAGS	121-130mm	60	60	90	60
2024/131-140	150 x 100mm	12	RED	15 BAGS	131-140mm	60	60	90	60
2024/141-150	160 x 120mm	10	YELLOW	14 BAGS	141-150mm	60	60	90	60
2024/151-160	170 x 120mm	10	GREY	14 BAGS	151-160mm	60	60	90	60
2024/161-170	180 x 120mm	10	GREY	12 BAGS	161-170mm	60	60	90	60
2024/171-180	190 x 120mm	5	PURPLE	24 BAGS	171-180mm	60	60	90	60
2024/181-190	200 x 120mm	6	PURPLE	18 BAGS	181-190mm	60	60	90	60
2024/191-200	220 x 120mm	5	PURPLE	20 BAGS	191-200mm	60	60	90	60
2024/201-210	230 x 150mm	4	PURPLE	18 BAGS	201-210mm	30	30	30	30
2024/211-220	240 x 150mm	4	PURPLE	18 BAGS	211-220mm	30	30	30	30
2024/221-230	250 x 150mm	4	PINK	18 BAGS	221-230mm	30	30	30	30
2024/231-240	260 x 150mm	4	PINK	16 BAGS	231-240mm	30	30	30	30
2024/241-250	270 x 150mm	4	PINK	16 BAGS	241-250mm	30	30	30	30
2024/251-260	280 x 150mm	4	BLUE	16 BAGS	251-260mm	30	30	30	30
2024/261-270	290 x 150mm	4	BLUE	15 BAGS	261-270mm	30	30	30	30
2024/271-280	300 x 150mm	4	RED	14 BAGS	271-280mm	30	30	30	30
2024/281-290	310 x 150mm	4	RED	14 BAGS	281-290mm	30	30	30	30
2024/291-300	330 x 150mm	4	RED	14 BAGS	291-300mm	30	30	30	30

FIREZERO MULTI SOCK standard length is 1200mm.



## Technical Data

FIREZERO Multi Sock has been independently tested at Warringtonfire 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.

IFC Certification undertook further assessments and deemed Multi Sock suitable for use with various boards on both timber and steel framing systems. Timber based boards must have a minimum density of 600kg/m<sup>3</sup>. Any other carrier board must have a minimum classification of A2 – s1 d0 in accordance with BS EN 13501-2. Minimum permissible thickness of boards is 9mm.

Meets 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. Multi Socks 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

Multi Sock 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.



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