

# 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.**

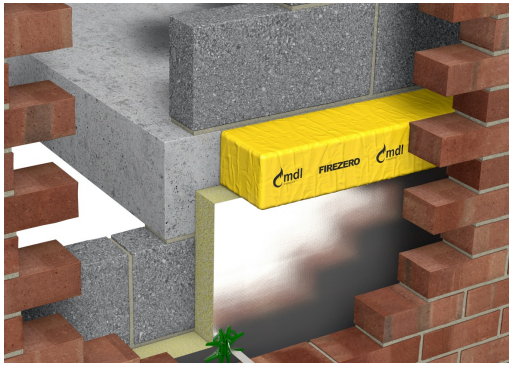


- ✓ Tested to BS EN1366-4:2021.
- ✓ 3<sup>rd</sup> party assessed & accredited certificate number IFCC 1926.
- ✓ Fire resistance up to 2 hours
- ✓ Available for cavity widths 25 – 300mm.
- ✓ Suitable for horizontal & vertical applications.
- ✓ Meets requirements of Approved Document B.
- ✓ Meets requirements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

### Masonry to Masonry. Masonry to Framed Construction:

| Product Code | Sock Size<br>(1200mm length) | Lengths<br>Per Pack | Sleeve<br>Colour | Packs Per<br>Pallet | Cavity Size | Fire Rating Horizontal |            | Fire Rating Vertical |            |
|--------------|------------------------------|---------------------|------------------|---------------------|-------------|------------------------|------------|----------------------|------------|
|              |                              |                     |                  |                     |             | Integrity              | Insulation | Integrity            | Insulation |
| 2024/025-39  | 55 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             | 19 BAGS             | 66-75mm     | 60                     | 60         | 90                   | 60         |
| 2024/076-90  | 100 x 100mm                  | 18                  | PURPLE           | 16 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            | 20 BAGS             | 101-110mm   | 60                     | 60         | 90                   | 60         |
| 2024/111-120 | 130 x 100mm                  | 12                  | WHITE            | 19 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 | 170 x 120mm                  | 10                  | YELLOW           | 14 BAGS             | 141-150mm   | 60                     | 60         | 90                   | 60         |
| 2024/151-160 | 180 x 120mm                  | 5                   | GREY             | 26 BAGS             | 151-160mm   | 60                     | 60         | 90                   | 60         |
| 2024/161-170 | 190 x 120mm                  | 5                   | GREY             | 24 BAGS             | 161-170mm   | 60                     | 60         | 90                   | 60         |
| 2024/171-180 | 200 x 120mm                  | 5                   | PURPLE           | 22 BAGS             | 171-180mm   | 60                     | 60         | 90                   | 60         |
| 2024/181-190 | 210 x 120mm                  | 5                   | PURPLE           | 20 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 | 240 x 150mm                  | 4                   | PURPLE           | 18 BAGS             | 201-210mm   | 30                     | 30         | 30                   | 30         |
| 2024/211-220 | 250 x 150mm                  | 4                   | PURPLE           | 18 BAGS             | 211-220mm   | 30                     | 30         | 30                   | 30         |
| 2024/221-230 | 260 x 150mm                  | 4                   | PINK             | 18 BAGS             | 221-230mm   | 30                     | 30         | 30                   | 30         |
| 2024/231-240 | 270 x 150mm                  | 4                   | PINK             | 16 BAGS             | 231-240mm   | 30                     | 30         | 30                   | 30         |
| 2024/241-250 | 280 x 150mm                  | 4                   | PINK             | 16 BAGS             | 241-250mm   | 30                     | 30         | 30                   | 30         |
| 2024/251-260 | 290 x 150mm                  | 4                   | BLUE             | 16 BAGS             | 251-260mm   | 30                     | 30         | 30                   | 30         |
| 2024/261-270 | 300 x 150mm                  | 4                   | BLUE             | 15 BAGS             | 261-270mm   | 30                     | 30         | 30                   | 30         |
| 2024/271-280 | 310 x 150mm                  | 4                   | RED              | 14 BAGS             | 271-280mm   | 30                     | 30         | 30                   | 30         |
| 2024/281-290 | 320 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.

## Product Information

### Timber to Timber application:

| Product Code    | Sock Size<br>(1200mm length) | Lengths<br>Per Pack | Sleeve<br>Colour | Packs Per<br>Pallet | Cavity Size | Fire Rating Horizontal |            | Fire Rating Vertical |            |
|-----------------|------------------------------|---------------------|------------------|---------------------|-------------|------------------------|------------|----------------------|------------|
|                 |                              |                     |                  |                     |             | Integrity              | Insulation | Integrity            | Insulation |
| 2024/TT/025-39  | 50 x 140mm                   | 24                  | PURPLE           | 16 Bags             | 25-39mm     | 60                     | 30         | 60                   | 60         |
| 2024/TT/040-50  | 65 x 140mm                   | 18                  | PURPLE           | 16 Bags             | 40-50mm     | 60                     | 30         | 60                   | 60         |
| 2024/TT/051-65  | 75 x 140mm                   | 16                  | GREEN            | 16 Bags             | 51-65mm     | 30                     | 30         | 30                   | 30         |
| 2024/TT/066-75  | 85 x 140mm                   | 14                  | WHITE            | 16 Bags             | 66-75mm     | 30                     | 30         | 30                   | 30         |
| 2024/TT/076-90  | 100 x 140mm                  | 12                  | BROWN            | 16 Bags             | 76-90mm     | 30                     | 30         | 30                   | 30         |
| 2024/TT/091-100 | 110 x 140mm                  | 12                  | RED              | 15 Bags             | 91-100mm    | 30                     | 30         | 30                   | 30         |
| 2024/TT/101-110 | 120 x 140mm                  | 10                  | YELLOW           | 16 Bags             | 101-110mm   | 30                     | 30         | 30                   | 30         |
| 2024/TT/111-120 | 130 x 140mm                  | 6                   | GREY             | 24 Bags             | 111-120mm   | 30                     | 30         | 30                   | 30         |
| 2024/TT/121-130 | 140 x 140mm                  | 6                   | GREY             | 24 Bags             | 121-130mm   | 30                     | 30         | 30                   | 30         |
| 2024/TT/131-140 | 150 x 140mm                  | 8                   | GREY             | 16 Bags             | 131-140mm   | 30                     | 30         | 30                   | 30         |
| 2024/TT/141-150 | 160 x 140mm                  | 8                   | GREY             | 16 Bags             | 141-150mm   | 30                     | 30         | 30                   | 30         |

**FIREZERO MULTI SOCK TT standard length is 1200mm, available up to a 290mm cavity on request.**

## Technical Data

FIREZERO Multi 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.

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 500kg/m<sup>3</sup>. 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.

The polythene used to encapsulate this product is not classified as non-combustible.



## 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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