

Technical Data Sheet

FIREZERO Multi Sock



Product Description

A FIREZERO MULTI SOCK consists of a 1200mm length of semi rigid stone wool slab which is fully encapsulated in a recycled polythene printed sleeve, with current regulations and fire certification to aid visual site identification and guarantee authenticity. Suitable for all applications as brick/block or timber frame.

FIREZERO MULTI SOCK is designed to prevent fire penetration, aid the reduction of sound transmission and help maintain the thermal integrity of the insulation requirements under Approved Document L1A FOR England and Wales October 2010 through wall cavity in both masonry/block and brick & timber frame cavity wall structures. The product is used around all apertures as well as at party wall junctions and floor levels in all cavities.

Certifications

MDL Insulations Ltd are certificated to ISO9001 & ISO14001, certificate no.UK/01/0245926629. Our core stone wool products are manufactured in accordance with BSI Quality Assurance Standard BS EN ISO 9001 and Product Standard EN13162 and CE Marked and certified.



Application Detail

Brick/block outer skin to timber frame inner skin

FIREZERO MULTI SOCKS are initially fixed to the timber frame by their polythene flanges to hold them in place until the brickwork is complete. They are held under a minimum compression of the FIREZERO MULTISOCK in the cavity.

During vertical installation, both flanges are fixed to the inner timber sheathing you must use non-corrosive large head nails or staples at 150/200mm opposite centres. During horizontal installation the upper flange only is stapled or nailed to the inner timber sheathing.

The breather membrane should be cut to overlap the upper flange of the Timber Cavity Barrier. Attention must be paid to the joints to ensure that these are very tightly butted to meet the fire and acoustic requirements. Cavity barriers may fail at the joints if a gap is left. Horizontal barriers should always be tightly pulled to meet the fire requirement. At window and door jambs the horizontal barrier should overlap the vertical barrier and be closely butted. For external wall party wall junctions FIREZERO ACOUSTIC PARTY WALL DPC is to be used and internally FIREZERO 300mm Party Wall Cavity Barrier.

Brick/block outer skin to brick/block inner skin

FIREZERO MULTI SOCKS are held in place under a minimum compression of the sock in the cavity in which they are to be installed and therefore are friction fitted during the brickwork process, being semi rigid they remain in place without collapsing whilst fitting. Special attention must be paid to the joints to ensure that these are very closely butted. Cavity barriers may fail at the joints if a gap is left. At window and door jambs the horizontal barrier should overlap the vertical barrier and be closely butted. For external wall party wall junctions FIREZERO ACOUSTIC PARTY WALL DPC is used and internally FIREZERO 300mm Party Wall Cavity Barrier.

Technical Data

The stone wool used to produce the core of a FIREZERO MULTI SOCK Cavity Stop Sock is non-combustible to BS476: part 4: (1984). The correct use of a Cavity Stop Sock will provide in excess of the 30-minute cavity fire barrier as defined in Table A6 of Appendix A to Approved Document B of the Building Regulations 1991.

Our products have been independently tested by Chiltern International Fire where the test was stopped after 66 minutes giving the FIREZERO MULTI SOCK a rating in excess of 1 HOUR. Our product testing has been carried out both vertically and horizontally by Chiltern International Fire and is covered by test certification WF 387582 and WF387996 showing. Approved document B of the building regulations 1991 (2000 edition), section 10 Table 12 "Provision of Cavity Barriers" gives a complete list of cavity type and building purpose groups for which a cavity barrier should be installed. Table 14 of the same document gives maximum dimensions of cavities in specified building groups. These tables should be referred to in full by the designer when considering the provision of cavity barriers. FIREZERO MULTI SOCK Cavity Stop Socks comply with the robust details accepted to prove a solution. FIREZERO MULTI SOCKS acoustically meet Approved Document E (2003 edition) of the Building Regulations relating to sound transmission. FIREZERO MULTI SOCK will comply with the new Approved document L1A for England and Wales dated October 2010. Due to the use of the stone wool slab core and the recycled plastic the product is classified as ZERO ODP and ZERO GWP.

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Product ref	Length per pack	To suit cavity sizes	Multi sock colour
2000/025-39	50	25-39mm	RED
2000/040-50	40	40-50mm	RED
2000/051-65	30	51-65mm	BLUE
2000/066-75	25	66-75mm	PINK
2000/076-90	20	76-90mm	PURPLE
2000/91-100	20	91-100mm	GREEN
2000/101-110	15	101-110mm	WHITE
2000/121-130	15	121-130mm	BROWN
2000/131-140	15	131-140mm	RED
2000/141-150	12	141-150mm	YELLOW
2000/161-170	10	161-170mm	GREY
2000/171-180	8	171-180mm	PURPLE
2000/191-200	4	191-200mm	GREEN
2000/221-230	4	221-230mm	PURPLE
2000/291-300	4	291-300mm	BLUE



FIREZERO MULTI SOCK standard length is 1200mm long (other lengths POA). Other dimensions are available to suit varying thicknesses and cavity widths, or FIREZERO MULTI SOCK can be custom manufactured to any size or shape required.

Environment

- Manufactured using stone wool slab.
- No CFCs or HCFCs are involved in the process which represents no known threat to the environment, giving it a classification of ZERO ODP and GWP.
- Encapsulated in recycled plastic.
- The product is intended to be used to help on eco projects where a low environmental impact is a key design consideration.

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A data sheet is given as a guide only, results shown are obtained under test conditions and results may vary dependent to site conditions. It is the buyer's responsibility to confirm suitability for their application with their designers. No responsibility for unsuitability will be accepted by MDL INSULATIONS LTD.



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