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FIREZERO THERMALZERO ACOUSTISOUNDZERO ACOUSTICFIREZERO VIBROZERO HYGENAZERO

FIREZERO MULTI SOCK

PRODUCT DESCRIPTION

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

PRODUCT FUNCTION

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 & steel cavity wall structures. The product is used around all apertures as well as at party wall junctions and floor levels in all cavities.

ENVIRONMENT

Manufactured using new green **ECOSE™** Rock Mineral wool slab from Knauf Insulations helping reduce the carbon footprint. Knauf insulations new **ECOSE™** Technology Rock Slab.

This is the first organic binder Insulation product available in the UK. Rock slabs are free from CFCs, HCFCs and contain no other material elements with ozone depletion potential, thus they represent no known threat to the environment. Exceeding Breeam requirements and giving a classification of zero ODP and zero GWP. It is 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.

STANDARDS

MDL Insulations Ltd are accredited with ISO 14001 and ISO 9001 with a certificate no: 40007207 Our core mineral wool products are manufactured in accordance with BSI Quality Assurance Standard BS EN ISO 9001:2000 and Product Standard EN 13162 and CE marked and certified where appropriate.



Data Sheet No: 2000 Issue : 03 Last Review: 24/01/2013

Due to our Policy of continual improvement the data given is for guidance only, results shown are obtained under test conditions and results may vary dependent to site conditions. It is the buyers responsibility to confirm suitability for their application with their designers. No responsibility for unsuitability will be accepted by MDL INSULATIONS LTD.

FIREZERO



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 centre's. 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 doors 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 be used see data sheet 25, internally **FIREZERO 300mm MULTI SOCK** see data sheet 30.

BRICK/BLOCK OUTER SKIN TO BRICK/BLOCK INNER SKIN OR STEEL FRAME

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. 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 see data sheet 25, internally **FIREZERO 300mm MULTI SOCK** see data sheet 30.



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TECHNICAL DATA

The mineral 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 **CHILT/IF06028** showing vertical applications and **CHILT/IF06027** showing horizontal (internal walls only for external walls see **FIREZERO-LEVEL** data ref 27 applications. 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 **ECOSE™** slab core and the recycled plastic the product is classified as **ZERO ODP** and **ZERO GWP**



Product Ref	Length per Pack	To Suit Cavity Sizes	Multi Sock Colour
FZ/MS/40/25-39	40	25-39mm	RED
FZ/MS/40/40-50	40	40-50mm	RED
FZ/MS/30/51-65	30	51-65mm	BLUE
FZ/MS/25/66-75	25	66-75mm	PINK
FZ/MS/20/76-90	20	76-90mm	PURPLE
FZ/MS/20/91-100	20	91-100mm	GREEN
FZ/MS/15/101-120	15	101-120mm	WHITE
FZ/MS/15/121-130	15	121-130MM	BROWN
FZ/MS/15/131-140	15	131-140mm	RED
FZ/MS/12/141-150	12	141-150mm	YELLOW
FZ/MS/12/151-165	8	151-165mm	GREY
FZ/MS/12/166-185	6	166-185mm	PURPLE
FZ/MS/8/186-205	4	186-205mm	GREEN
FZ/MS/8/206-225	4	206-225mm	PINK
FZ/MS/6/226-250	4	226-250mm	BLUE

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

