

Technical Data Sheet

FIREZERO Multi Sock



Product Description

FIREZERO MULTI SOCK consists of a 1200mm length of semi rigid stone wool slab which is 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 within a brick/block or timber frame construction.

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 numbers 223136 & 223137. Our core stone wool products are manufactured in accordance with Product Standard EN13162.



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 within 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 centers. During horizontal installation the upper flange only is stapled or nailed to the inner timber sheathing.

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 any gaps are present. At window and door jambs the horizontal barrier should overlap the vertical barrier and be closely butted. For I party wall junctions FIREZERO 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 in the cavity 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 any gaps are present. At window and door jambs the horizontal barrier should overlap the vertical barrier and be closely butted. For external wall party wall junctions FIREZERO PARTY WALL DPC is used and internally FIREZERO 300mm Party Wall Cavity Barrier.

Technical Data

The stone wool used to produce FIREZERO MULTI SOCK is non-combustible to BS476: part 4: (1984).

Our products have been independently tested both vertically and horizontally by Warringtonfire giving the FIREZERO MULTI SOCK a rating up to 120 minutes.

FIREZERO MULTI SOCK acoustically meet Approved Document E of the Building Regulations relating to sound transmission. FIREZERO MULTI SOCK will comply with Building Regulations in England, Wales, Scotland and Northern Ireland. Due to the use of the stone wool slab core and the recycled plastic the product is classified as ZERO ODP and ZERO GWP.

FIREZERO MULTI SOCK stone wool insulation has a thermal conductivity of 0.037 Wm/K.

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.

Product Code	Sock Size	Lengths Per Pack	Sleeve Colour	Packs Per Pallet	Cavity Range
2000/025-39	50 x 50 x 1200mm	50	RED	15 BAGS	25-39mm
2000/040-55	65 x 65 x 1200mm	40	RED	15 BAGS	40-55mm
2000/056-65	75 x 75 x 1200mm	30	BLUE	15 BAGS	56-65mm
2000/066-75	85 x 85 x 1200mm	25	PINK	15 BAGS	66-75mm
2000/076-90	100x 86 x 1200mm	20	PURPLE	15 BAGS	76-90mm
2000/091-100	110 x 86 x 1200mm	20	GREEN	15 BAGS	91-100mm
2000/101-110	120 x 86 x 1200mm	15	WHITE	15 BAGS	101-110mm
2000/111-120	130 x 86 x 1200mm	15	WHITE	15 BAGS	111-120mm
2000/121-130	140 x 86 x 1200mm	15	BROWN	15 BAGS	121-130mm
2000/131-140	150 x 86 x 1200mm	15	RED	15 BAGS	131-140mm
2000/141-150	160 x 120 x 1200mm	12	YELLOW	15 BAGS	141-150mm
2000/151-160	170 x 120 x 1200mm	12	GREY	13 BAGS	151-160mm
2000/161-170	180 x 120 x 1200mm	12	GREY	12 BAGS	161-170mm
2000/171-180	190 x 120 x 1200mm	5	PURPLE	24 BAGS	171-180mm
2000/181-190	200 x 120 x 1200mm	6	PURPLE	18 BAGS	181-190mm
2000/191-200	220 x 120 x 1200mm	5	PURPLE	20 BAGS	191-200mm
2000/201-210	230 x 150 x 1200mm	4	PURPLE	18 BAGS	201-210mm
2000/211-220	240 x 150 x 1200mm	4	PURPLE	18 BAGS	211-210mm
2000/221-230	250 x 150 x 1200mm	4	PINK	18 BAGS	221-230mm
2000/231-240	260 x 150 x 1200mm	4	PINK	16 BAGS	231-240mm
2000/241-250	270 x 150 x 1200mm	4	PINK	16 BAGS	241-250mm
2000/251-260	280 x 150 x 1200mm	4	PINK	16 BAGS	251-260mm
2000/261-270	300 x 150 x 1200mm	4	BLUE	15 BAGS	261-270mm
2000/271-280	310 x 150 x 1200mm	4	RED	14 BAGS	271-280mm
2000/281-290	320 x 150 x 1200mm	4	RED	14 BAGS	281-290mm
2000/291-300	330 x 150 x 1200mm	4	RED	14 BAGS	291-300mm

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.



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