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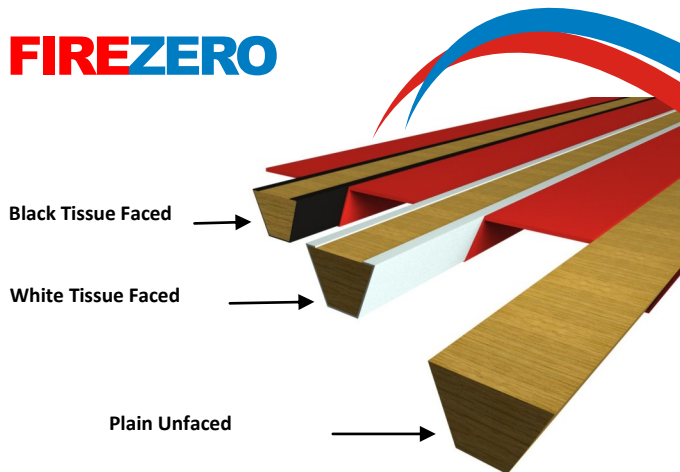
FIREZERO THERMALZERO ACOUSTISOUNDZERO ACOUSTICFIREZERO VIBROZERO HYGENAZERO

TRAPEZOIDAL CLOSER SERIES 6300

FIREZERO

PRODUCT DESCRIPTION

FIREZERO-TRAPS are manufactured from a high density Rockwool double compressed mineral wool special slab which is then cut to shape to suit metal roofing and decking profile sheets to achieve a fire & acoustic barrier or supplied in standard 1200mm lengths. For acoustic purposes a black or white tissue can be applied, as well as **FIREZERO-COAT** which is a special coating where air tightness is a requirement. A composite **FIREZERO-TRAP** can be produced with a polymeric core for high acoustic requirements.



PRODUCT FUNCTION

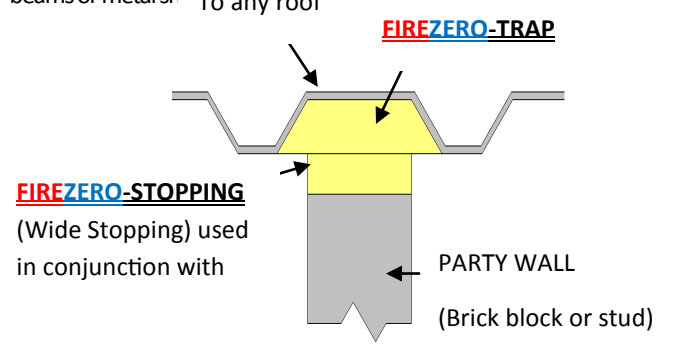
FIREZERO-TRAPS are designed to be easily fitted where fire rating, acoustic requirement or air tightness is required to comply with fire and building current regulations. **FIREZERO-TRAPS** will prevent the rapid spread of flames and smoke through the void as well as acting as a passive fire barrier and meet Fire Resistance BS EN 1361 -1:1999. An additional benefit is as an acoustic seal which helps to reduce the transmission of air borne sound. Also by either using pre-coated blocks or applying **FIREZERO-COAT** air tightness can be achieved. For high end acoustic requirements MDL can custom made blocks using polymeric cores and facing up to 120dB

APPLICATION DETAIL

FIREZERO-TRAPS can be fitted in numerous applications to close voids for fire, acoustic and air tightness. Typical applications are between either a metal deck or metal roof sheet on top of a party wall. Horizontally between the concrete floor structure and vertical external cladding sheets. Between structural sheets to contain the spread of fire including RSJ/I beams or metal sh To any roof

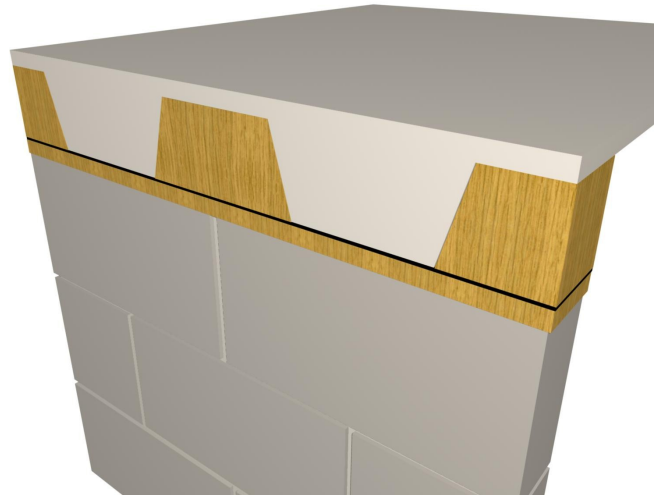
ENVIRONMENT

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.





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TECHNICAL DATA

The mineral wool core material used to produce **FIREZERO-TRAPS** is classified non-combustible to BS476: Part 4 (1984) when fitted **FIREZERO-TRAPS** can be used to give 30 minutes, 60 minutes, 90 minutes, 120 minutes, 180 minutes and 240 minutes fire containment when fitted correctly as approved documented B of the Building Regulations 1991 (2000 Edition) indicatively tested to BS EN 1363-1:1999 (2012) using test method EOTA TR31:2008. CHILT/IF/2007A (2012) Allowance should be made of one of the roof or wall components may bow or distort in a fire, then mechanical strips must be fixed, rather than relying on compression alone.

FIREZERO-TRAPS also help comply with robust details accepted solutions which satisfies the approved Document E (2000 edition) of the Building Regulations relating to the transmission of sound. As well as air tightness when using **FIREZERO-TRAPS** or applying **FIREZERO-COAT**.

The **FIREZERO-TRAPS** will help comply with the new approved document L1A for England & Wales dated October 2010.

Due to the **ECOSE™** slab core the plain product is classified zero ODP % zero GWP.

Rating (minutes)	Uncoated	Pre-coated 2 Sides	Site Applied FIREZERO-COAT
30	60mm	50mm	50
60	75mm	50mm	50
90	85mm	75mm	75
120	100mm	75mm	75
180	150mm	100mm	120
240	175mm	100mm	150

We can also manufacture **FIREZERO-TRAPS** to suit other cavity thicknesses as well as with any other insulation and DPC width to suit special requirements.

