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**FIREZERO THERMALZERO ACOUSTISOUNDZERO ACOUSTICFIREZERO VIBROZERO HYGENAZERO**

## PRODUCT SERIES 1070 **PASSIVEZERO**

### PRODUCT DESCRIPTION

**FIREZERO/R50/VOID** Rain screen 50mm max gap fire closure consists of a carrier of **PASSIVEZERO** high performance volumetric expanding graphite intumescent strip fixed on the side facing the airspace void which is encapsulated in **Class O FIREZERO** foil.

Two galvanised steel fixing straps are pre-fitted to the strip to prevent incorrect fixing.

### PRODUCT FUNCTION

**FIREZERO/R50/VOID** is designed to go between the external rain screen cladding and the internal wall structure to create a fire break horizontally, normally at the floor beam/slab level. The product can also be used in the vertical plain at separating wall junctions to complete fire compartments where an air gap is required the brackets should be fixed alternatively to prevent slippage.

Generally an air gap is not needed vertically as an acoustic/fire seal is required to prevent the flanking transmission of sound under building regulations therefore a **FIREZERO/R5V** fire stop can be used. This works under compression filling the vertical void creating an economical solution. Although fixed by compression the fixings provide must be used as per the supplied fixing instructions.

**FIREZERO** Passive fire seals will achieve 30 to 120 minutes when fitted correctly between structures which are equally rated.

### ENVIRONMENT

MDL Insulations where ever possible manufacture from recycled core materials all packaging is made using recycled plastic and cardboard. MDL Insulations have a clear environmental policy which outlines the companies intentions with regards to protecting the environment. MDL have a documented Environmental Management System which has been developed to meet the requirements of ISO 14001:2008.

### STANDARDS

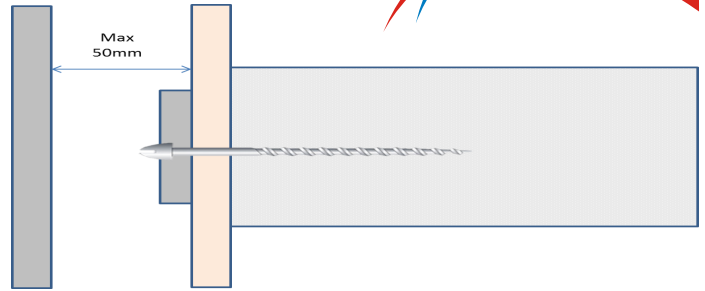
MDL Insulations Ltd are accredited with ISO 14001 and ISO 9001 with a certificate no: 40007207 Our core mineral wool products are manufactured in accordance with BSI Quality Assurance Standard BS EN ISO 9001:2000 and Product Standard EN 13162 and CE marked and certified where appropriate.



Data Sheet No: 1070 Issue : 07 Last Review: 29/01/2013

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 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

**FIREZERO/R50/VOID** horizontal fire stop should be fitted before the external rain screen but after the installation of the support framework. If insulation slabs are to be used they must be fitted after the product. The **FIREZERO/R50/VOID** must be fitted around all structural framework tightly; any joints or edges butting up to cuts or cut-outs around existing structures should also be sealed with **FIREZERO/IM/MASTIC** to ensure the continuation of the fire seal.

**FIREZERO/R50/VOID** must be fitted horizontally at floor beam level or ring beam level in timber frame application; if fitted onto a masonry wall the product should be in line with the internal floor slab. The correct fixings must be used to ensure compliance with fire testing and longevity of application. Large 12mm headed screws are used to fix through with suitable metal fixings (no plastic sleeves). When fixing onto RSJ Beams 2 pre-fitted steel straps are included.

### TECHNICAL DATA

**PASSIVEZERO** intumescent graphite used to close the structural air opening is manufactured to meet BS476 part 20 when tested as a closure.

The class O foil wrapping is manufactured and tested to meet BS746 part 20 when tested as a facing material.

Our **PASSIVEZERO** products are tested to BSEN 1363-1 also incorporating BS476 (part 20).