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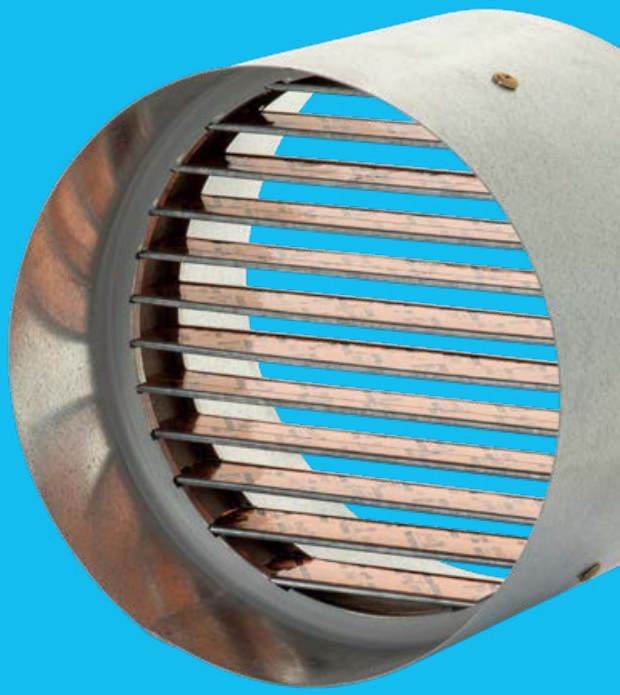

Kilargo
dormakaba Group

intumescent fire dampers

IFD series products

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PRODUCT CATALOGUE

Kilargo
dormakaba Group

INTUMESCENT FIRE DAMPERS

IFD SERIES PRODUCTS

Kilargo IFD Series Intumescent Fire Dampers

Never before has a fire damper offered so much flexibility. IFD's are designed to seal penetrations provided for movement of air via ducted or naturally ventilated means. Kilargo's IFDs have no moving parts providing a reliability unmatched by conventional mechanical type fire dampers.

The operation of Kilargo IFDs is by heat activation of the intumescent material. The intumescent material swells many times its original thickness to form a solid barrier to fire.

This mode of operation means that the Kilargo IFD series intumescent fire dampers are bi-directional and cannot rust open. In addition, they are not affected by building movement or thermal expansion.

Kilargo Technical Support

Kilargo provides free technical support for design specification and installation of its intumescent fire damper products and systems. Contact Kilargo to ensure the most effective and economical solution is specified and installed.

Standards & Codes

Relevant standards and codes relating to the fire damper performance, fire resistance, installation and maintenance include:

- AS 1668.1 Fire and Smoke Control in Buildings
- AS 1530.4 Fire Test Methodology
- AS 1682.1 Specification / Design
- AS 1682.2 Installation
- AS 1851 Maintenance

Regulatory Requirements

To comply with the Building Code of Australia and referenced standard AS1668.1 Kilargo IFDs are fully fire tested in accordance with AS1530.4 and the air leakage test detailed in AS1682.1. Comprehensive approvals provide users with confidence to specify Kilargo intumescent fire dampers for standard and "performance based alternative solutions".

Kilargo Approvals

Approved installations and applications for Kilargo intumescent products is growing all the time, and includes a number of recent approvals such as:

- CSR hebel wall systems
- Pyropanel constructed fire door systems
- E-Core fire door assemblies
- Firecore fire door assemblies
- CSR security wall

Testing is carried out by independent laboratories throughout Australia, New Zealand and other overseas locations.

Kilargo Intumescent Mastic

Designed for use in fire damper installation plus uses where other intumescent material may be impractical. When exposed to fire, our intumescent mastic swells to many times its original volume while maintaining adhesion to all common construction materials. Water based for easy clean up, and offering smooth gunnability, Kilargo Mastic is flexible, paintable and has acoustic properties. Kilargo Approvals specify the use of ONLY Kilargo Intumescent Mastic.

FRL (Fire Resistance Level)

FRL referes to the time in minutes as determined in accordance with the AS 1530.4 laboratory test methods for:

- Structural Adequacy - The ability to maintain both stability and load bearing capacity. Fire dampers have no requirement for this criterion.
- Integrity - The ability to prevent the passage of flame and hot gases as specified in AS 1530.4
- Insulation - The ability to maintain a surface temperature below that specified in AS 1530.4

FRL is expressed in order of: Structural Adequacy / Integrity / Insulation

Generally, fire dampers require an FRL for integrity only. Thus a fire damper may have a fire resistance level of:

FRL - / 120 / - giving a two hour fire rating.

Note that where a dash appears - there is no requirment for that criterion.

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KILARGO IFD SOFTWARE SUITE

Applications built specifically for the Kilargo Intumescent Fire Damper Range

Revit® Selection Tool

- Kilargo's full Intumescent Fire Damper Range is now available at your fingertips
- Make your projects fully compliant from design to construction
- Add-on is 100% free

The Kilargo Revit content automatically sizes and orients to suit the duct size and orientation, assisting specifiers with their projects. The content is also compliant with the industry standard BIM-MEPAUS.

Using the Kilargo Revit Selection tool, the user can select criteria such as type of penetration, fire resistance level and building element, and find a list of available Kilargo dampers and compliant systems that suit those criteria. The user can then select the most appropriate product and save the corresponding Revit file to their computer instantly, or place it in their project.

For more information visit: **www.kilargo.com.au/revit**

Kilargo IFD Selector App

All the details you need are now on-site with you!

Get the right recommendation for your project on the spot from our extensive IFD range based on your specific use and application. With the IFD Selector App, you have instant access to installation instructions to corretly comply with building regulations.

App is optimised for tablets and mobile devices across iOS and Android.

For more information visit: **www.kilargo.com.au**

Download on the App Store

GET IT ON Google Play

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INTUMESCENT FIRE DAMPERS

IFD Series Products

IFD44-LL
Features

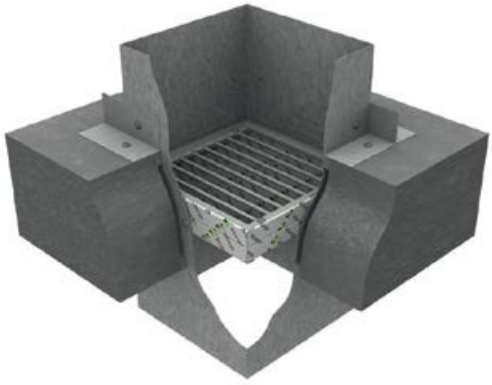
- High performance design
- Potential energy efficiency savings
- Low-loss = reduced pressure & lowered acoustic transmission
- Wider range of flexible & compliant wall, slab & retro-fit systems

Technical Data

- Fire integrity rating - up to 120 min
- Insulation fire rating - up to 120 min

IFD44-LL Cased
Features

- Includes sleeve and flanges
- No hazardous fibrous packing required
- No thermal expansion clearances during installation
- Reduced maintenance and resultant cost savings



Technical Data

- Fire integrity rating - 4 hours
- Insulation fire rating - 2 hours plus
- Sizes available up to 1200 x 1200mm

IFDO-LL
Features

- High performance, low-loss design
- Reduced resistance to air-flow
- Ezy-Fit brackets
- Wall & floor systems
- Ultra low-maintenance costs

Technical data

- Fire integrity rating - 60 / 90 / 120 minutes
- Insulation fire rating - 60 / 90 / 120 minutes
- Sleeve Z275 galvanised steel

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IFD Series Products (Cont.)

IFD-OSS
Features

- Cost effective solution
- Stainless steel sleeve
- No hazardous fibrous packing required
- No thermal clearances required in installation
- Reduced maintenance and resultant cost savings
- Available with halar coating for hazardous environments

Technical Data

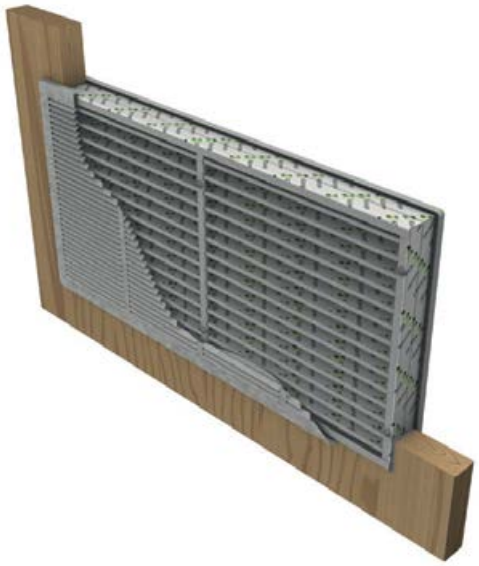
- Fire integrity rating - up to 2 hours
- Sizes available 150mm and 350mm diameter
- Stainless steel sleve (spigot) 360mm long
- Halar coating option

IFD-D
Features

- Innovative slimline design
- Suitable for both mini and maxi fire doors
- All-in-one kit includes 1 x IFD-D, 2 x cover grilles, Kilargo Mastic and fixings
- No moving parts result in a robust trouble free installation, which will not rattle or vibrate
- Easy installation in new or existing doors

Technical Data

- Fire integrity rating - up to 2 hours
- Insulation fire rating - 1/2 hour
- Sizes available 600 x 300mm, 450 x 450mm and 600 x 600mm (Pyropanel doors only)
- Suits nominal 35mm and 45mm thick fire doors
- Decorative finish cover grilles are suitable for internal use only



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