

i Step-by-step installation instructions available on page 2 of this datasheet.

Drawing Legend

NO.	ITEM DESCRIPTION
1	Kilargo IFD-44 Intumescent Fire Air Transfer Grille Damper fitted in steel sleeve, with 4 self-drilling screws as tested and sealed at the perimeter with item 2.
2	Kilargo Intumescent Mastic Applied to the perimeter of Kilargo IFD44 and the opening with max. annular gap of 25mm.
3	Steel Angle 0.7mm (min) 40mm x 40mm x 25mm galvanised steel angle tab fixed to IFD44 with steel screws and fixed to the aperture using masonry anchors.
4	Mesh Guard 25mm x 25mm mesh fixed with Penny Washer and masonry anchors.
5	Concrete and Masonry Walls For 60, 90 and 120 minute applications the concrete wall shall be min. 80mm, 100mm and 120mm and have the required FRL in accordance with AS3600. For 60, 90 and 120 minute applications the masonry wall shall be min. 80mm, 100mm and 120mm and have the required FRL in accordance with AS3700.

Building element: Masonry or Concrete see item 5.

Application: Single Cell, No Casing, Aperture Mounted, Angle/Tab fix

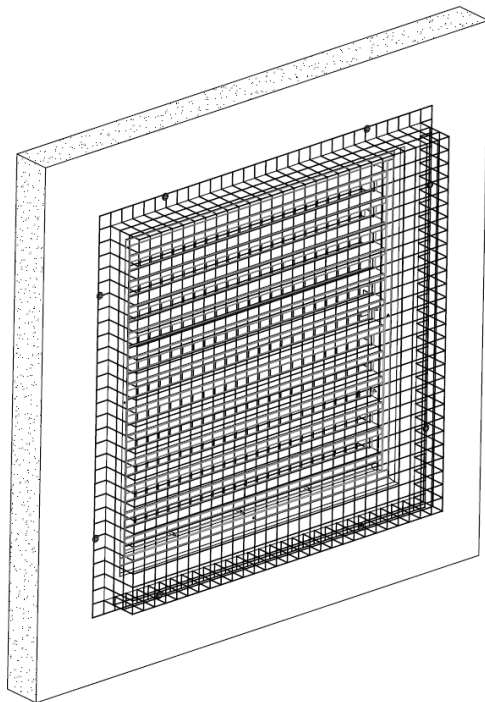
Maximum Size: 600mm x 600mm

FRL -/120/120

Test Reference No. FCO-3349

System No. WM3i(a)

Product: In-situ



Installation Instructions

1. Ensure the wall penetration is sized and formed correctly for the IFD installation as detailed in the System Sheet.
2. Position damper centrally in the penetration as per the System Drawing.
3. Fasten galvanised steel angle/tab on one side of the wall to fire damper with steel self-drilling screws at maximum 150mm centres.
4. Fasten galvanised steel angle/tab to wall using steel masonry anchors.
5. Fire-stop the gap between the IFD and building element full depth, with Kilargo Intumescent Mastic.
6. Check and re apply any mastic if necessary, ensuring there is a full application as per the System Drawing.
7. Fit mesh guard on both sides of the wall as shown.

NOTE: Fixings, angles/tabs & guards are supplied by others.

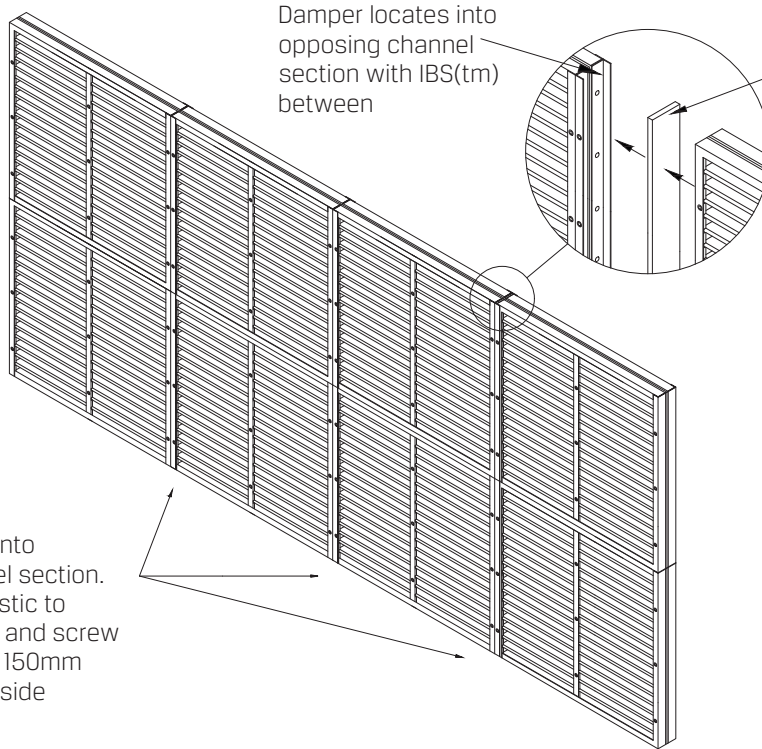
System Notes

Kilargo Intumescent Fire Dampers shall be installed in accordance with this detail and in accordance with the requirements of AS1682.2 -Fire & Smoke Dampers. Installation & with note (but not limited to):

1. Ensure convenient access is provided for visual inspection and cleaning as necessary - refer Clause 6.1(d)
2. Ensure damper labels (product certification labels) are in a prominent position for easy identification during subsequent maintenance inspections - refer Clause 7.2 (b)

Building element:	Masonry or Concrete see item 5.
Application:	Single Cell, No Casing, Aperture Mounted, Angle/Tab fix
Maximum Size:	600mm x 600mm
FRL	-/120/120
Test Reference No.	FCO-3349

System No. **WM3i(a)**

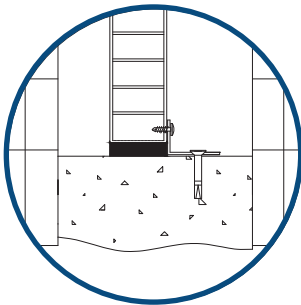


Damper locates into opposing channel section with IBS(tm) between

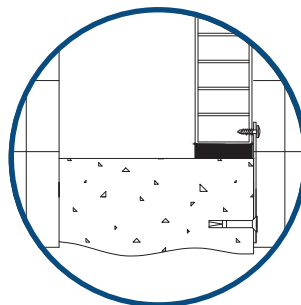
10mm x 35mm fire rated Promat IBS(tm) foam expansion strip required every 1800mm max

Damper locates into opposing channel section. Apply Kilargo mastic to mating channels and screw fixed together at 150mm centres on each side

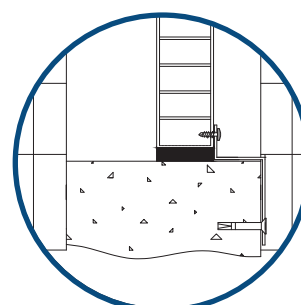
Alternative Fixing Methods



ANGLE FIXING



TAB FIXING



Z BRACKET FIXING



Step-by-step installation instructions available on page 2 of this datasheet.

Building element:	Masonry or Concrete see item 5.
Application:	Multiple Cell, No Casing, Aperture Mounted, Angle/Tab fix
Maximum Size:	2400mm x 1200mm
FRL	-/120/120
Test Reference No.	FCO-3349
Product:	IFD-44



Installation Instructions

1. Ensure the wall penetration is sized and formed correctly for the IFD installation as detailed in the system sheet.
2. Assemble the damper modules by applying Kilargo Intumescent Mastic to the mating channel. Align and bring units together so that they interlock and mechanically fix together with steel self-drilling screws at 150mm centres.
3. Position damper centrally in the penetration as per the System Drawing.
4. Fasten galvanised steel angle/tab on one side of the wall to fire damper with steel self-drilling screws at maximum 150mm centres.
5. Fasten galvanised steel angle/tab to wall using steel masonry anchors.
6. Fire-stop the gap between the IFD and building element full depth, with Kilargo Intumescent Mastic.
7. Check and re apply any mastic if necessary, ensuring there is a full application as per the System Drawing.
8. Fit mesh guard on both sides of the wall as shown.

NOTE: Fixings, angles/tabs & guards are supplied by others.

System Notes

Kilargo Intumescent Fire Dampers shall be installed in accordance with this detail and in accordance with the requirements of AS1682.2 -Fire & Smoke Dampers. Installation & with note (but not limited to):

1. Ensure convenient access is provided for visual inspection and cleaning as necessary - refer Clause 6.1(d)
2. Ensure damper labels (product certification labels) are in a prominent position for easy identification during subsequent maintenance inspections - refer Clause 7.2 (b)

Building element:	Masonry or Concrete see item 5.
Application:	Multiple Cell, No Casing, Aperture Mounted, Angle/Tab fix
Maximum Size:	2400mm x 1200mm
FRL	-/120/120
Test Reference No.	FCO-3349
Product:	IFD-44

System No. **WM3i(b)**