

## QF2-CF150-31

## Metal Damper penetrating a rigid floor (150mm or thicker)

This standard detail is intended for general information only and all details should be checked against all relevant supporting test evidence, certification and installation guidelines. In line with the company's policy of continual development, details are subject to change and/ or withdrawal therefore you must ensure this is the latest published detail and instructions.

### Additional Instructions

The floor must have a minimum thickness of 150mm and comprise of concrete, or aerated concrete, with a minimum density of 650kg/m<sup>3</sup>.

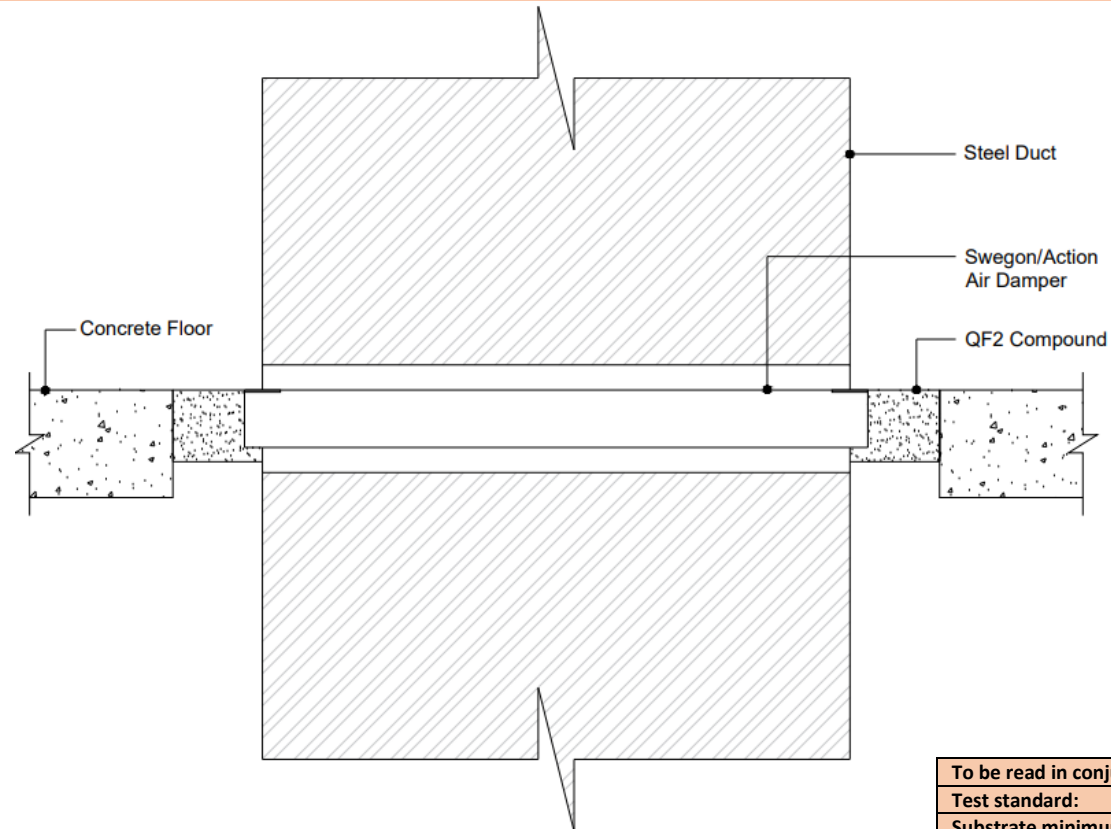
QF2 Fire Protection Compound installed directly up to the steel damper.

The maximum permitted aperture size with a damper is 1600mm x 1100mm.

A minimum margin of 75mm of Quelfire QF2 Fire Protection Compound between the damper and the floor substrate is required.

QF2 Fire Protection Compound installed to a minimum 100mm thickness internally within the floor.

Mineral Wool Shuttering Slab is temporary and can be removed post compound pour.



### Quelfire Products Required

Product Code	Description
QF2	QF2 Fire Protection Compound
MW/SLAB	Mineral Wool (MW) Shuttering Slab

### Important Note

This detail relates to the fire resistance performance of the Fire Stop seal up to and around the Damper only.

The performance of the damper itself and any guidance for firestopping their system should also be verified with the manufacturer.

The Damper should be installed and mechanically supported in accordance with the manufacturers guidance for their system.

Dampers are tested to a different standard to "other service penetrations" therefore no other services (such as pipes and cables) should be present in the same aperture.

<b>To be read in conjunction with:</b>	IFC assessment PAR/23604/01
<b>Test standard:</b>	BS EN 1366-3
<b>Substrate minimum thickness:</b>	150mm
<b>QF2 fire Protection Compound minimum thickness:</b>	100mm
<b>First service support:</b>	As per Damper manufacturer's guidelines
<b>Maximum aperture size:</b>	1600mm x 1100mm
<b>Drawing Scale:</b>	Not to Scale
<b>Issue Number:</b>	3
<b>Date of Issue:</b>	January 2023
<b>Detail Reference:</b>	QF2-CF150-31

Service Type	Size of Damper	Damper Material	Fire Resistance
Actionair Smoke Shield PTC 501-SPAN Multi-blade Damper	≤925 x ≤870mm	Galvanised Steel	120 minutes Integrity
Actionair Smoke Shield PTC Multi-blade Damper			
Actionair Steel Damper			

### Important Information:

- The supporting construction must be installed in accordance with the manufacturer's guidelines and must be capable of achieving the required fire rating of the firestop.
- All Services should be adequately supported either side of the firestop to ensure that no load is transferred onto the firestop seal.

### Scope and Liability:

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