

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

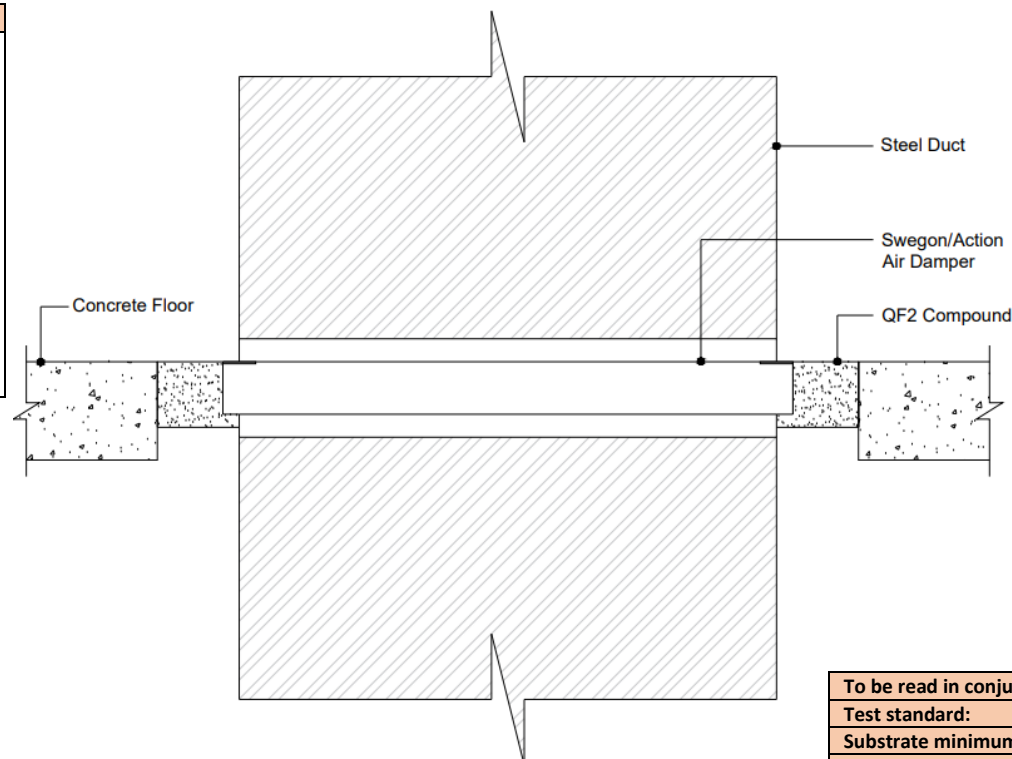
The floor must have a minimum thickness of 150mm and comprise of concrete, or aerated concrete, with a minimum density of 650kg/m³.

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 directly up to the penetrating services to ≥100mm thickness.

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

For further information on the installation of QF2 Fire Protection use the [QF2 installation guidance document](#).



Quelfire Products Required

Product Code	Description
QF2	QF2 Fire Protection Compound
MW/SLAB	Quelfire 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.

To be read in conjunction with:	IFC assessment PAR/23604/01
Test standard:	BS EN 1366-3
Substrate minimum thickness:	150mm
QF2 fire Protection Compound minimum thickness:	100mm
First service support:	As per Damper manufacturer's guidelines
Maximum aperture size:	1600mm x 1100mm**
** Maximum aperture may be increased to 2500 x 2000mm. Refer to pages 16 & 17 of the UL Classification Report 4790096347 Issue 5 for a table of further aperture sizes where one side can be increased if one is decreased.	
Drawing Scale:	Not to Scale
Issue Number:	4
Date of Issue:	April 2024
Detail Reference:	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 *			
* For more information regarding these dampers we advise to contact Swegon directly			

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:

- Any information provided by or on behalf of Quelfire Limited is provided for general information only. It is not intended to amount to advice on which you should rely. You must obtain professional or specialist advice before taking, or refraining from, any recommendation or action.
- The summary is not exhaustive and does not consider all issues relevant to the enquiry. It is limited to the information and time available to us. We have not verified any information made available to us by you or any other source, nor have we carried out a physical inspection of any property. We make no representations, warranties or guarantees, whether expressed or implied, that any information is accurate, complete or up to date.
- We do not accept a duty of care to you or any other person in respect of the enquiry, nor do we accept any liability to you or any other person for any loss arising out of or in connection with the enquiry or any reply provided by us. Different limitations and exclusions of liability arising as a result of the supply of any products or services by us to you, and these will be set out in our terms and conditions of supply, a copy of which is available on request.
- Full terms and conditions of sale are available at <https://www.quelfire.co.uk/terms-conditions-of-sale/>