

HPE-CF150-05

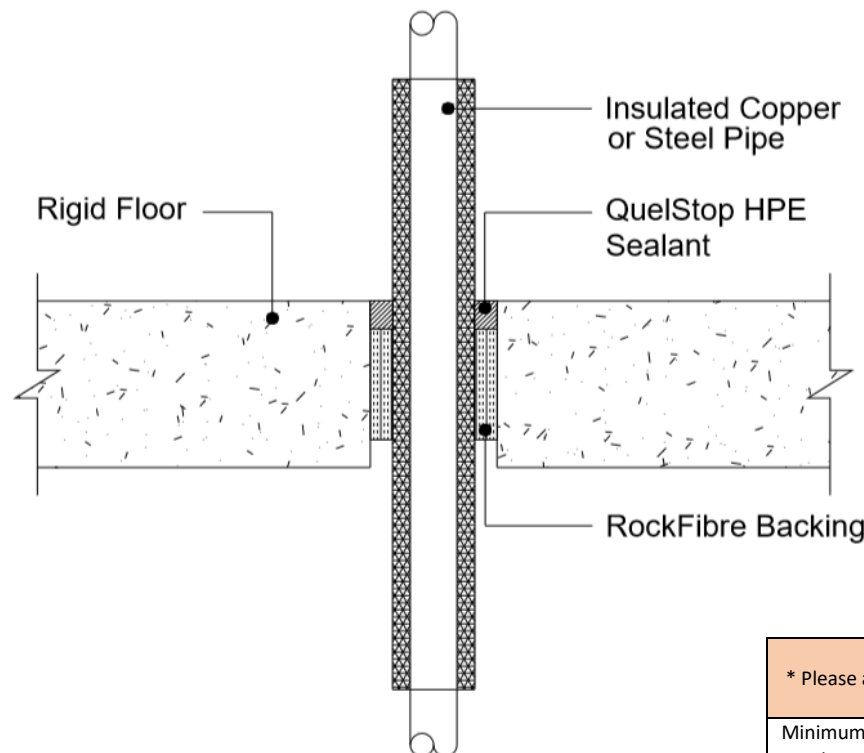
Insulated Metal pipe penetrating a rigid floor (150mm or thicker)

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, aerated concrete or masonry, with a minimum density of 650kg/m³.

BS EN 1366-3:2021 Section 13.7: The distance between the aperture edges of penetration seals in a building element shall be as tested or minimum 100mm. The distance between the aperture edge of a penetration seal and any other penetration (e.g., door) in a building element shall be minimum 200mm.



Quelfire Products Required

Product Code	Description
QHPE310	QuelStop HPE Graphite Sealant

Spacing as per BS EN 1366-3: 2021, Section 13.7

* Please also consider any requirements that the floor manufacturer has with regards to spacing between openings.

Minimum distance from edge of opening to another aperture with a service penetration tested to BS EN 1366-3	100mm*
Minimum distance from edge of opening to another aperture with a penetration not tested to BS EN 1366-3	200mm*

Service Type	Size of Services	Pipe Wall Thickness	Pipe Insulation	QuelStop HPE Sealant (installed upper face only)	Backing Material	Classification
Copper/ Cast Iron & Steel Pipe*	Ø≤41mm	1.4 - 14.2mm	16mm Armaflex** (C/S)	20mm annulus 25mm deep	≥100mm Depth of ≥45kg/m ³ Rock Fibre	E 240 U/C EI 60 U/C
	Ø41 - 159mm	2.5 - 14.2mm	16mm - 32mm Armaflex** (C/S)			EI 20 U/C

* All metal pipe materials are covered which have a thermal conductivity equal or lower than the metal pipe tested and provided the melting point is at least equal or greater.

** - or equivalent elastomeric pipe insulation classified BL-s2, d0 or better to EN13501-1

To be read in conjunction with:	ETA 20/1059, page 24
Test standard:	BS EN1366-3 & EN13501-2:2016
Substrate minimum thickness:	150mm
First service support:	≤250mm
Drawing Scale:	Not to Scale
Issue Number:	3
Date of Issue:	January 2023
Detail Reference:	HPE-CF150-05

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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