

HPE-CF150-01

Plastic pipe penetrating a rigid floor (150mm or thicker)

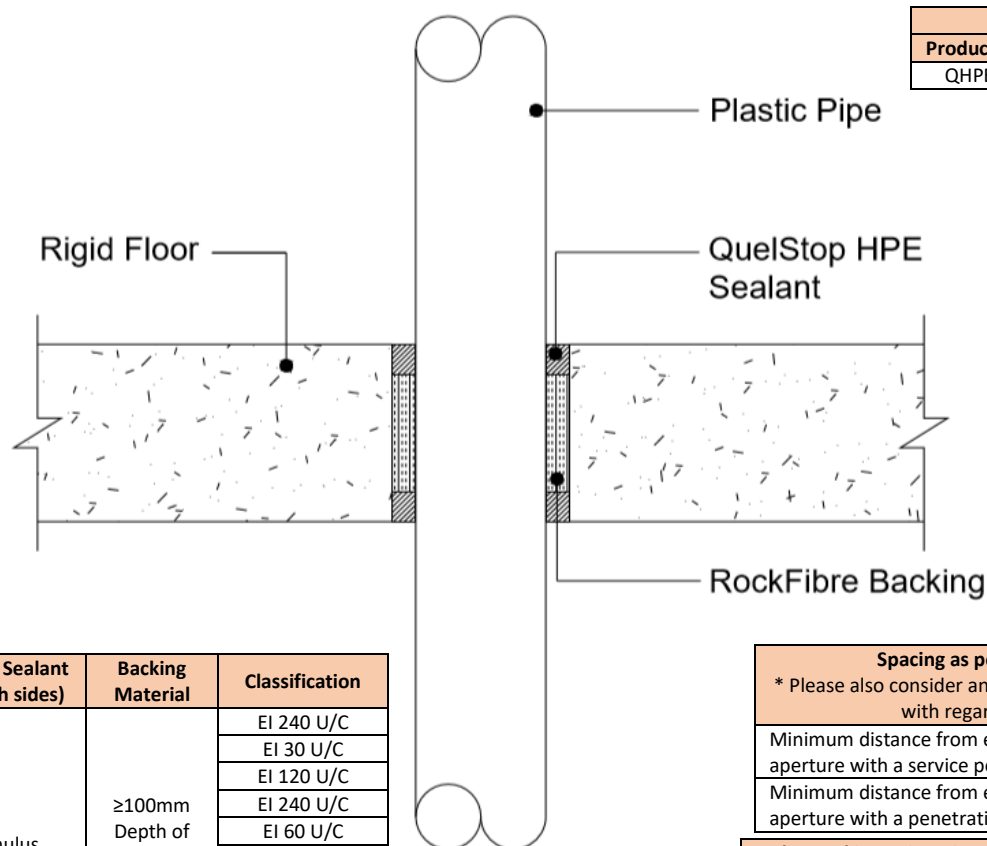
This standard detail is intended for general information only and all details should be checked against all relevant supporting test evidence, certification and installation guidelines. In line with the company's policy of continual development, details are subject to change and/ or withdrawal therefore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

Refer to the graphs in ETA 20/1059 for other pipe sizes.

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

Service Type	Size of Services	Pipe Wall Thickness	QuelStop HPE Sealant (installed both sides)	Backing Material	Classification
PP	Ø50mm	2.1mm	20mm annulus 25mm deep	≥100mm Depth of ≥45kg/m³ Rock Fibre	EI 240 U/C
	Ø110mm	3.7mm			EI 30 U/C
		10.7mm			EI 120 U/C
PE, PE-X, ABS, SAN-PVC** Pipe	Ø≤40mm	4.1mm			EI 240 U/C
	Ø125mm	7.6mm			EI 60 U/C
		11.4mm			EI 90 U/C
U-PVC/ C-PVC* Pipe	Ø≤40mm	2.0mm			EI 240 U/C
	Ø114mm	3.6mm			E 90 U/C
		8.1mm			EI 45 U/C

*- U-PVC according to EN 1329-1, EN 1452-1 and EN1453-1 and C-PVC according to EN 1566-1

*PE in accordance with EN1519-1, EN1266-1, EN 12201-2 and EN ISO 15494, PE-X in accordance with EN ISO 15875-2, ABS in accordance with EN 1455-1 and EN ISO 15493 as well as SAN+PVC in accordance with ISO 19220

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 <u>not</u> tested to BS EN 1366-3	200mm*

To be read in conjunction with:	ETA 20/1059, pages 25, 26, 27 & 28
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-CF150-01

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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