

QIF-RW150-01

Plastic pipes penetrating a rigid wall (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 wall must have a minimum thickness of 150mm and comprise of concrete, aerated concrete or masonry, with a minimum density of 650kg/m³.

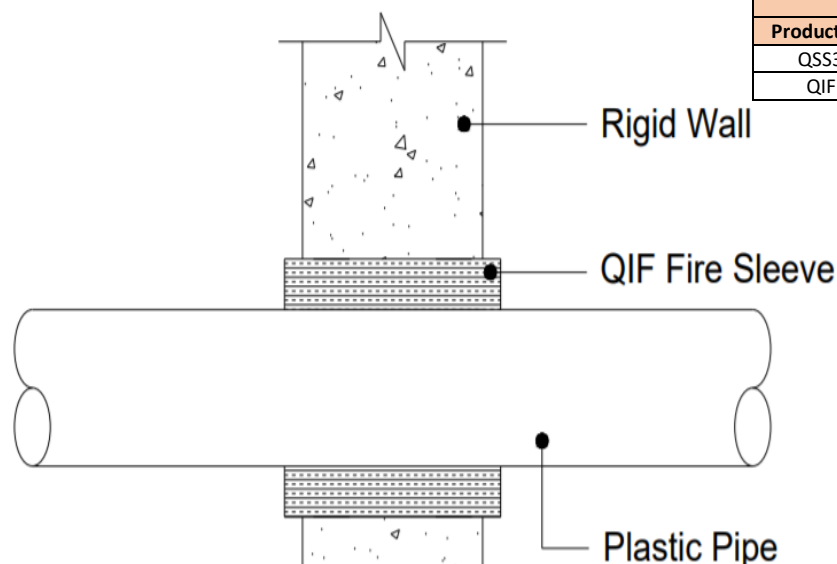
Holes should be drilled as per the details on the data sheet which is 50mm bigger than the ID of the QIF.

Once positioned correctly the perimeter of the QIF should be sealed with QuelStop Intumescent Acrylic Sealant.

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
QSS310	QuelStop Intumescent Acrylic Sealant
QIF??	QIF Insulated Fire Sleeve



Service Type	Size of Services	Pipe Wall Thickness	Recommend hole Dia.	QIF fire Sleeve required	Protrusion required	Classification
U-PVC/ C-PVC* pipe	Ø15 - 19mm	3.2mm	Ø67mm	QIF17	≥0mm	EI 240 U/C
	Ø19 - 23mm		Ø71mm	QIF21		
	Ø25 - 29mm		Ø77mm	QIF27		
	Ø32 - 36mm		Ø84mm	QIF34		
	Ø40 - 44mm		Ø92mm	QIF42		
	Ø46 - 50mm		Ø98mm	QIF48		
	Ø52 - 56mm		Ø104mm	QIF54		
	Ø58 - 62mm		Ø110mm	QIF60		
	Ø65 - 69mm		Ø117mm	QIF67		
	Ø74 - 78mm		Ø126mm	QIF76		
	Ø78 - 82mm		Ø130mm	QIF80		
	Ø87 - 91mm		Ø139mm	QIF89		
	Ø100 - 104mm		Ø152mm	QIF102		
Ø106 - 110mm	Ø158mm	QIF114				
* U-PVC according to EN 1329-1, EN 1452-1 and EN1453-1 and C-PVC according to EN 1566-1.						

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

* Please also consider any requirements that the wall 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*

Test standard:	BS EN1366-3 & EN13501-2
Substrate minimum thickness:	150mm
First Service Support:	≤150mm
Drawing Scale:	Not to Scale
Issue Number:	3
Date of Issue:	April 2025
Detail Reference:	QIF-RW150-01

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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