

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

Flexible walls to be insulated and to have a minimum 72mm wide stud and minimum 2no. layers of 15mm Gypsum boards in accordance with EN 520 or Calcium Silicate boards which are CE Marked based on an ETA on both sides of the stud.

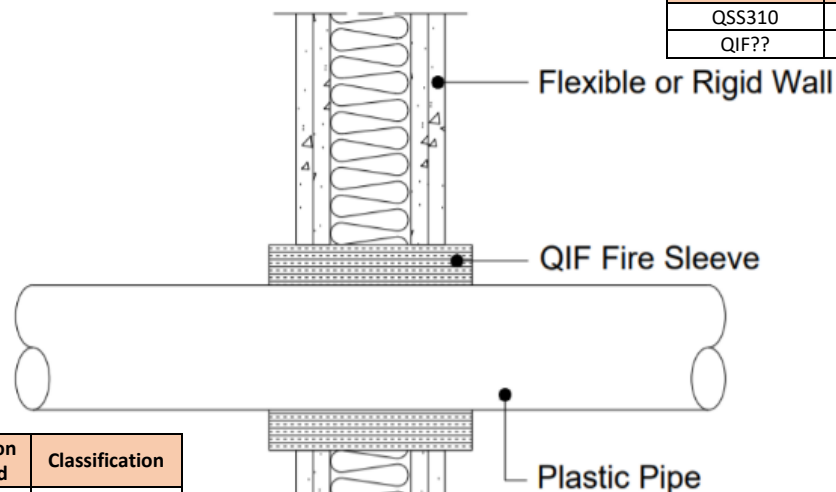
Once positioned correctly the perimeter of the QIF should be sealed with QuelStop Intumescent Acrylic Sealant.

Test results obtained with flexible supporting walls may be applied to concrete or masonry elements of an overall thickness equal to or greater than that of the element used in the test.

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	1.8 - 3.2mm	Ø67mm	QIF17	≥24mm	EI 120 U/C
	Ø19 - 23mm		Ø71mm	QIF21		
	Ø25 - 29mm		Ø77mm	QIF27		
	Ø32 - 36mm		Ø84mm	QIF34		
	Ø40 - 44mm	3.2mm	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	QIF108		
	Ø112 - 116mm		Ø164mm	QIF114		
	Ø125 - 129mm		Ø177mm	QIF127		
	Ø138 - 142mm		Ø190mm	QIF140		
	Ø157 - 160mm		Ø209mm	QIF159		
* U-PVC according to EN 1329-1, EN 1452-1 and EN1453-1 and C-PVC according to EN 1566-1.						

Plastic Pipe Type	Page No.
U-PVC	1
HDPE	2

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:	132mm
First Service Support:	≤150mm
Drawing Scale:	Not to Scale
Issue Number:	2
Date of Issue:	January 2023
Detail Reference:	QIF-FW132-01

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.

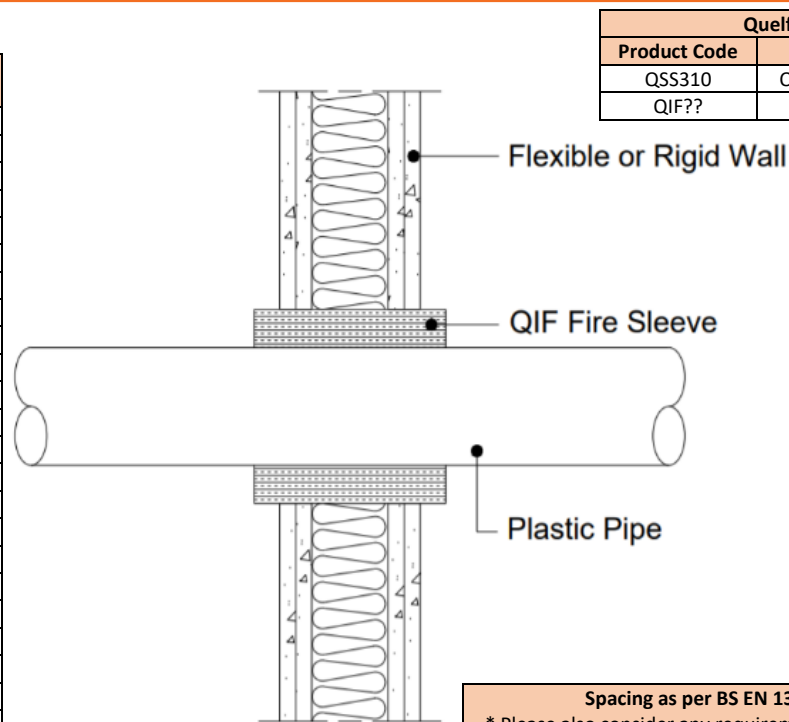
Scope and Liability:

- 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/>

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.

Service Type	Size of Services	Pipe Wall Thickness	Recommend hole Dia.	QIF fire Sleeve required	Classification
PE, PE-X, ABS, SAN-PVC** Pipe	Ø15 - 19mm	3.0 – 4.3mm	Ø67mm	QIF17	EI 120 U/C
	Ø15 - 19mm	4.4 – 6.2mm	Ø67mm	QIF17	EI 90 U/C
	Ø19 - 23mm	3.0 – 4.3mm	Ø71mm	QIF21	EI 120 U/C
	Ø19 - 23mm	4.4 – 6.2mm	Ø71mm	QIF21	EI 90 U/C
	Ø25 - 29mm	3.0 – 4.3mm	Ø77mm	QIF27	EI 120 U/C
	Ø25 - 29mm	4.4 – 6.2mm	Ø77mm	QIF27	EI 90 U/C
	Ø32 - 36mm	3.0 – 4.3mm	Ø84mm	QIF34	EI 120 U/C
	Ø32 - 36mm	4.4 – 6.2mm	Ø84mm	QIF34	EI 90 U/C
	Ø40 - 44mm	3.0 – 4.3mm	Ø92mm	QIF42	EI 120 U/C
	Ø40 - 44mm	4.4 – 6.2mm	Ø92mm	QIF42	EI 90 U/C
	Ø46 - 50mm	3.0 – 4.3mm	Ø98mm	QIF48	EI 120 U/C
	Ø46 - 50mm	4.4 – 6.2mm	Ø98mm	QIF48	EI 90 U/C
	Ø52 - 56mm	3.0 – 4.3mm	Ø104mm	QIF54	EI 120 U/C
	Ø52 - 56mm	4.4 – 6.2mm	Ø104mm	QIF54	EI 90 U/C
	Ø58 - 62mm	3.0 – 4.3mm	Ø110mm	QIF60	EI 120 U/C
	Ø58 - 62mm	4.4 – 6.2mm	Ø110mm	QIF60	EI 90 U/C
	Ø65 - 69mm	3.0 – 4.3mm	Ø117mm	QIF67	EI 120 U/C
	Ø65 - 69mm	4.4 – 6.2mm	Ø117mm	QIF67	EI 90 U/C
	Ø74 - 78mm	3.0 – 4.3mm	Ø126mm	QIF76	EI 120 U/C
	Ø74 - 78mm	4.4 – 6.2mm	Ø126mm	QIF76	EI 90 U/C
	Ø78 - 82mm	3.0 – 4.3mm	Ø130mm	QIF80	EI 120 U/C
	Ø78 - 82mm	4.4 – 6.2mm	Ø130mm	QIF80	EI 90 U/C
	Ø87 - 91mm	3.0 – 4.3mm	Ø139mm	QIF89	EI 120 U/C
	Ø87 - 91mm	4.4 – 6.2mm	Ø139mm	QIF89	EI 90 U/C
	Ø100 - 104mm	4.3mm	Ø152mm	QIF102	EI 120 U/C
	Ø100 - 104mm	4.4 – 6.2mm	Ø152mm	QIF102	EI 90 U/C
	Ø106 - 110mm	4.3mm	Ø158mm	QIF108	EI 120 U/C
	Ø106 - 110mm	4.4 – 6.2mm	Ø158mm	QIF108	EI 90 U/C
	Ø112 - 116mm	6.2mm	Ø164mm	QIF114	EI 90 U/C
	Ø125 - 129mm	6.2mm	Ø177mm	QIF127	EI 90 U/C
	Ø138 - 142mm	6.2mm	Ø190mm	QIF140	EI 90 U/C
	Ø157 - 160mm	6.2mm	Ø209mm	QIF159	EI 90 U/C

** 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.



Quelfire Products Required	
Product Code	Description
QSS310	QuelStop Intumescent Acrylic Sealant
QIF??	QIF Insulated Fire Sleeve

Plastic Pipe Type	Page No.
U-PVC	1
HDPE	2

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:	132mm
First Service Support:	≤150mm
Drawing Scale:	Not to Scale
Issue Number:	2
Date of Issue:	January 2023
Detail Reference:	QIF-FW132-02

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/>