

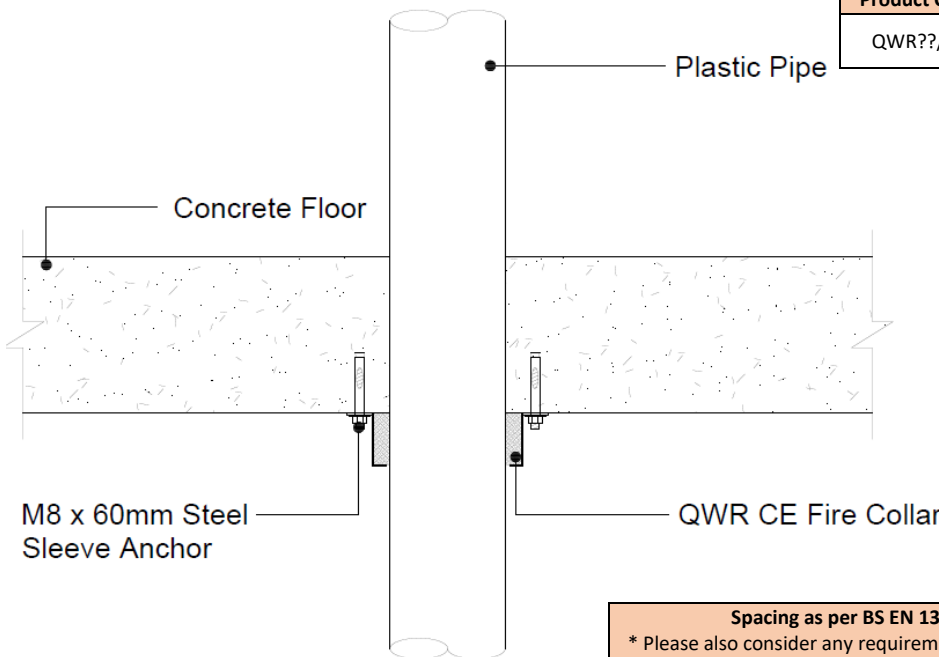
QWR-CF150-01

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

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Additional Instructions
The floor must have a minimum thickness of 150mm and comprise of concrete or aerated concrete, with a minimum density of 670kg/m ³ .
The QWR Fire Collar is secured using M8 x 60mm steel sleeve anchors through all fixing lugs.
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
QWR??/CE	Fire Collar for plastic pipes. refer to table below
Plastic Pipe Type	Page No.
U-PVC	1
HDPE	2
PP	3



Service Type	Size of Service	Pipe Wall Thickness	Recommend Hole Dia.	QWR Collar	Classification
U-PVC	Ø25mm	1.9 – 3.0mm	Ø27mm	QWR25/CE	EI 240 U/C
	Ø32mm		Ø34mm	QWR32/CE	
	Ø40mm		Ø42mm	QWR40/CE	
	Ø50mm	2.4mm	Ø52mm	QWR50/CE	E 90 U/U EI 60 U/U
		2.9 - 3.8mm			EI 240 U/C
	Ø55mm	6.6mm	Ø57mm	QWR55/CE	
	Ø63mm		4.2 - 6.6mm	Ø65mm	QWR63/CE
		6.6mm	Ø77mm		
	Ø75mm	4.2 - 6.6mm		Ø84mm	QWR82/CE
		6.6mm	EI 240 U/C		
	Ø82mm	4.2 - 6.6mm		Ø92mm	QWR90/CE
		6.6mm	EI 240 U/C		
	Ø90mm	4.2 - 6.6mm		Ø112mm	QWR110/CE
		6.6mm	EI 60 U/U		
	Ø110mm	3.2 - 6.6mm		Ø132mm	QWR125/CE
		6.5mm	EI 60 U/C		
	Ø125mm	4.8 - 7.5mm		Ø162mm	QWR160/CE
		6.2mm	EI 60 U/C		
Ø160mm	6.2 - 9.5mm				

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:	QWR WF Classification Report 360281/A Issue 5, Pages 55, 56, 60 & 62
Test standard:	BS EN1366-3 & EN13501-2:2016
Substrate minimum thickness:	150mm
First service support:	≤250mm
Drawing Scale:	Not to Scale
Issue Number:	5
Date of Issue:	January 2023
Detail Reference:	QWR-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:

- 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.
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- 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.
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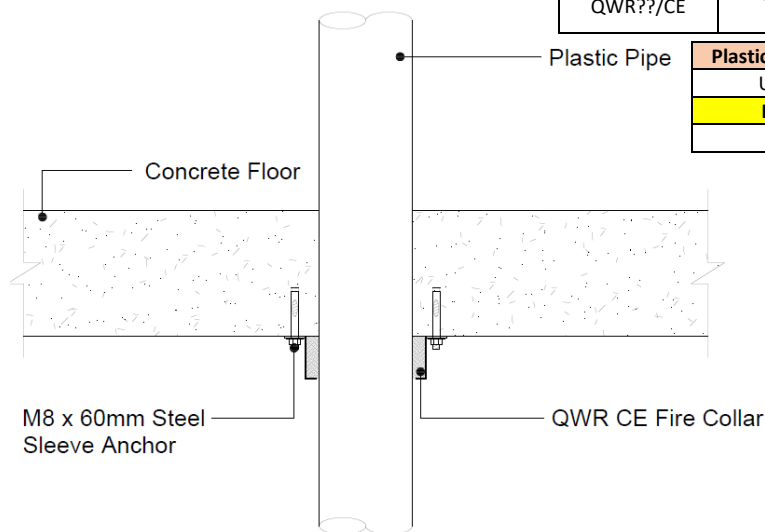
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QWR??/CE	Fire Collar for plastic pipes. refer to table below

Plastic Pipe Type	Page No.
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PP	3

Service Type	Size of Service	Pipe Wall Thickness	Recommend Hole Dia.	QWR Collar	Classification
PE, PE-X, ABS, SAN-PVC** Pipe	Ø25mm	2.4mm	Ø27mm	QWR25/CE	EI 240 U/C
		2.4 - 3.7mm			EI 120 U/C
	Ø32mm	2.4mm	Ø34mm	QWR32/CE	EI 240 U/C
		2.4 - 3.7mm			EI 120 U/C
	Ø40mm	2.4mm	Ø42mm	QWR40/CE	EI 240 U/C
		2.4 - 3.7mm			EI 120 U/C
	Ø50mm	2.6mm	Ø52mm	QWR50/CE	EI 240 U/C
		2.6 - 4.3mm			EI 120 U/C
	Ø55mm	2.6mm	Ø57mm	QWR55/CE	EI 240 U/C
		2.6 - 4.3mm			EI 120 U/C
	Ø63mm	3.4mm	Ø65mm	QWR63/CE	EI 240 U/C
		3.4 - 6.6mm			EI 120 U/C
	Ø75mm	3.4mm	Ø77mm	QWR75/CE	EI 240 U/C
		3.4 - 6.6mm			EI 120 U/C
	Ø82mm	3.4mm	Ø84mm	QWR82/CE	EI 240 U/C
		3.4 - 6.6mm			EI 120 U/C
	Ø90mm	3.4mm	Ø92mm	QWR90/CE	EI 240 U/C
		3.4 - 6.6mm			EI 120 U/C
Ø110mm	3.4mm	Ø112mm	QWR110/CE	EI 240 U/C	
	3.4 - 6.6mm			EI 60 U/U	
Ø125mm	3.6mm	Ø132mm	QWR125/CE	EI 240 U/C	
	3.6 - 5.8mm			EI 120 U/C	
Ø125mm	3.6 - 7.5mm	Ø132mm	QWR125/CE	E 120 U/C	
	3.6 - 7.5mm			EI 90 U/C	
Ø160mm	4.0mm	Ø162mm	QWR160/CE	EI 240 U/C	
	4 - 9.5mm			E 120 U/C	
					EI 90 U/C



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**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

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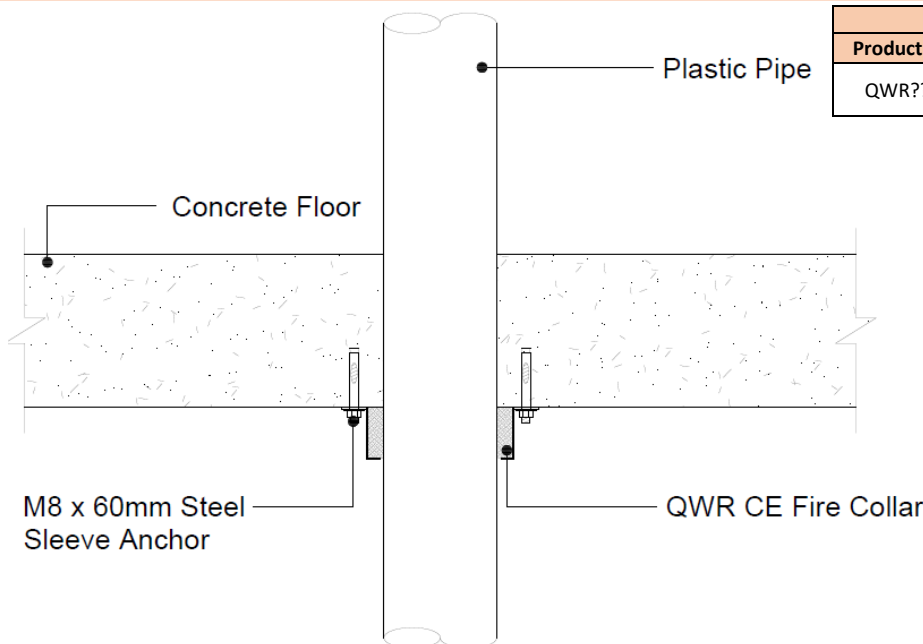
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Ø125mm	3.1 - 8.2mm	Ø132mm	QWR125/CE	EI 120 U/C	
	3.1 - 9.7mm			EI 60 U/C	
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