

QWR-RW130-01

Plastic Pipe penetrating a rigid wall (130mm or thicker)

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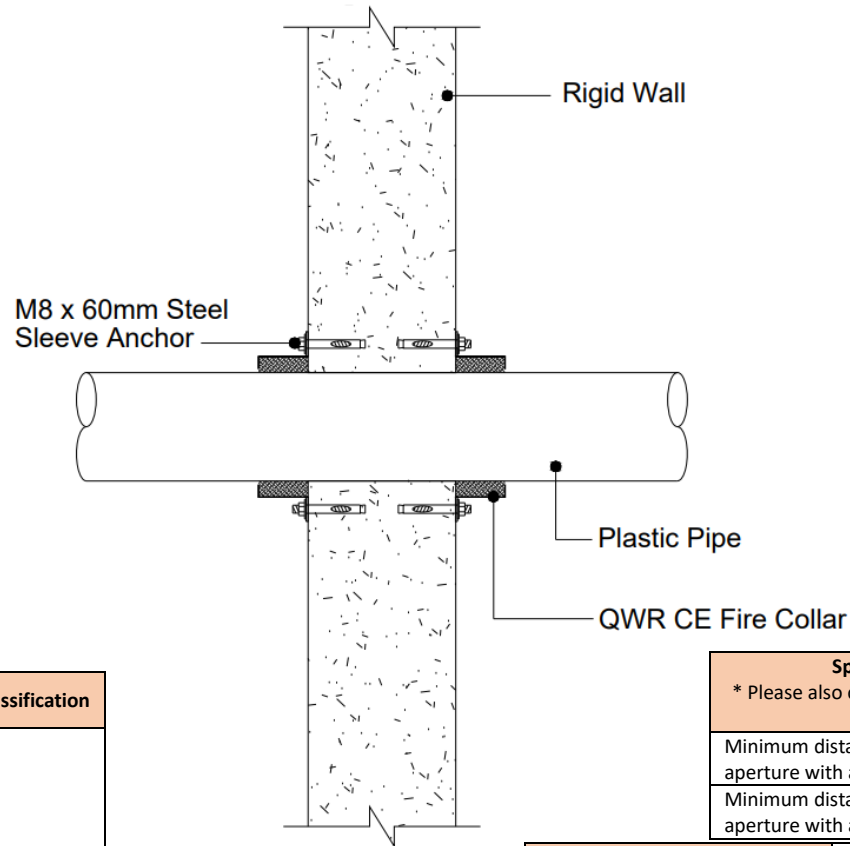
Additional Instructions

The wall must have a minimum thickness of 130mm and comprise of concrete, aerated concrete or masonry, with a minimum density of 670kg/m³.

The QWR Fire Collar is secured using M8 X 60mm steel concrete sleeve anchors through all lugs.

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
QWR??/CE	Fire Collar for plastic pipes. refer to table below
QSS310	QuelStop Acrylic Sealant

Plastic Pipe Type	Page No.
U-PVC	1
HDPE	2 & 3
PP	4

Service Type	Size of Service	Pipe Wall Thickness	Recommend Hole Dia.	QWR Collar	Classification
U-PVC	Ø25mm	1.9 - 3.4mm	Ø27mm	QWR25/CE	EI 120 U/C
	Ø32mm		Ø34mm	QWR32/CE	
	Ø40mm		Ø42mm	QWR40/CE	
	Ø50mm	2.4 - 4.1mm	Ø52mm	QWR50/CE	
	Ø55mm		Ø57mm	QWR55/CE	
	Ø63mm		Ø65mm	QWR63/CE	
	Ø75mm	4.2 - 6.7mm	Ø77mm	QWR75/CE	
	Ø82mm		Ø84mm	QWR82/CE	
	Ø90mm		Ø92mm	QWR90/CE	
	Ø110mm		Ø112mm	QWR110/CE	
	Ø125mm	4.8 – 8.0mm	Ø132mm	QWR125/CE	
	Ø160mm	6.2 - 11.1mm	Ø162mm	QWR160/CE	

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 not tested to BS EN 1366-3	200mm*

To be read in conjunction with:	QWR CE Marked Fire Collars – ETA 20/1204 Pages 16 – 19*
Test standard:	BS EN1366-3 & EN13501-2:2016
Substrate minimum thickness:	130mm
First service support:	≤250mm
Drawing Scale:	Not to Scale
Issue Number:	4
Date of Issue:	January 2023
Detail Reference:	QWR-RW130-01

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:

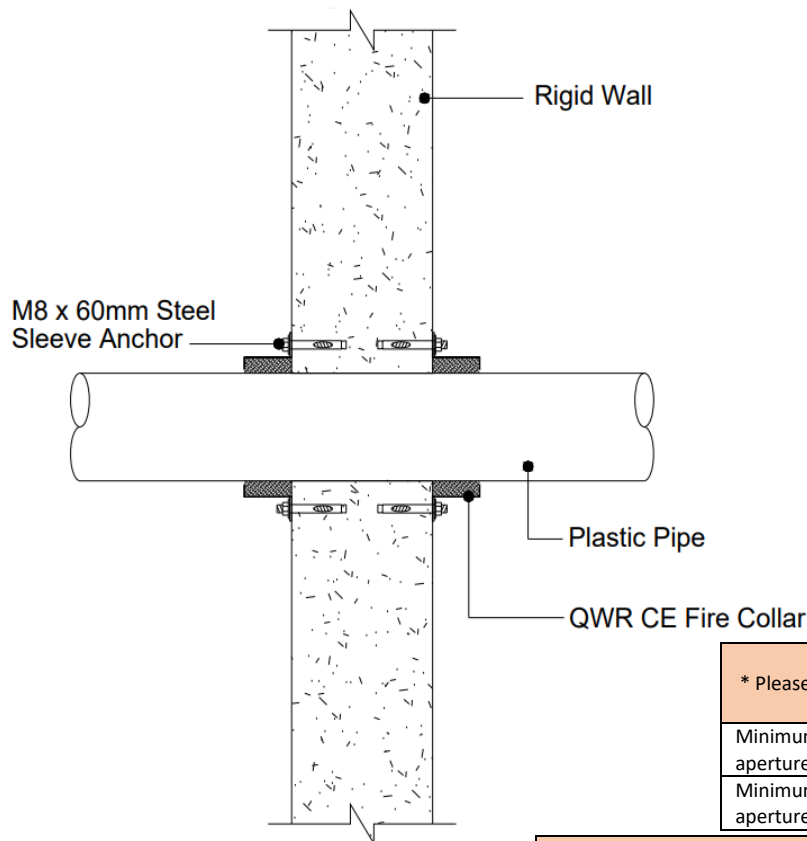
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Additional Instructions
The wall must have a minimum thickness of 130mm and comprise of concrete, aerated concrete or masonry, with a minimum density of 670kg/m ³ .
The QWR Fire Collar is secured using M8 X 60mm steel concrete sleeve anchors through all lugs.
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.



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* 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 CE Marked Fire Collars – ETA 20/1204 Pages 16 – 19*
Test standard:	BS EN1366-3 & EN13501-2:2016
Substrate minimum thickness:	130mm
First service support:	≤250mm
Drawing Scale:	Not to Scale
Issue Number:	4
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Service Type	Size of Service	Pipe Wall Thickness	Recommend Hole Dia	QWR Collar	Classification
PE, PE-X, ABS, SAN-PVC** Pipe	Ø25mm	2.4 – 4.0mm	Ø27mm	QWR25/CE	EI 120 U/C
	Ø32mm		Ø34mm	QWR32/CE	
	Ø40mm		Ø42mm	QWR40/CE	
	Ø50mm	2.6 - 3.9mm	Ø52mm	QWR50/CE	EI 120 U/C
		2.6 - 4.7mm			E 120 U/C EI 60 U/C
	Ø55mm	2.6 - 3.9mm	Ø57mm	QWR55/CE	EI 120 U/C
		2.6 - 4.7mm			E 120 U/C EI 60 U/C
	Ø63mm	3.4mm	Ø65mm	QWR63/CE	EI 120 U/C
		3.4 - 7.2mm			E 120 U/C EI 60 U/C
	Ø75mm	3.4mm	Ø77mm	QWR75/CE	EI 120 U/C
		3.4 - 7.2mm			E 120 U/C EI 60 U/C
	Ø82mm	3.4mm	Ø84mm	QWR82/CE	EI 120 U/C
		3.4 - 7.2mm			E 120 U/C EI 60 U/C
	Ø90mm	3.4mm	Ø92mm	QWR90/CE	EI 120 U/C
		3.4 - 7.2mm			E 120 U/C EI 60 U/C
	Ø110mm	3.4mm	Ø112mm	QWR110/CE	EI 120 U/C
		3.4 - 7.2mm			E 120 U/C EI 60 U/C
	Ø125mm	3.6mm	Ø132mm	QWR125/CE	EI 120 U/C
		3.6 - 5.4mm			E 120 U/C EI 90 U/C
		3.6 – 8mm			E 120 U/C EI 60 U/C
Ø160mm	4.0mm	Ø162mm	QWR160/CE	EI 120 U/C	
	4.0 – 10mm			E 120 U/C 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

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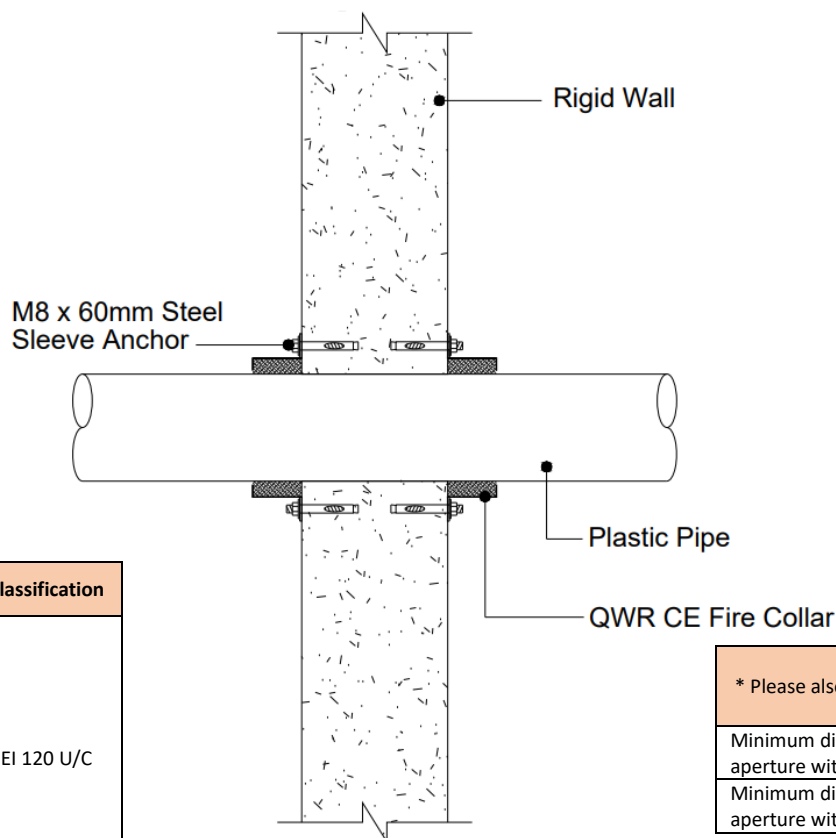
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	Ø125mm		Ø132mm	QWR125/CE		
	Ø160mm	4.0mm	Ø162mm	QWR160/CE		EI 120 U/C
		4.0 - 10.3mm				EI 90 U/C

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