

QSS-FW120-02

Metal pipe Penetrating a flexible or rigid wall (120mm or thicker)

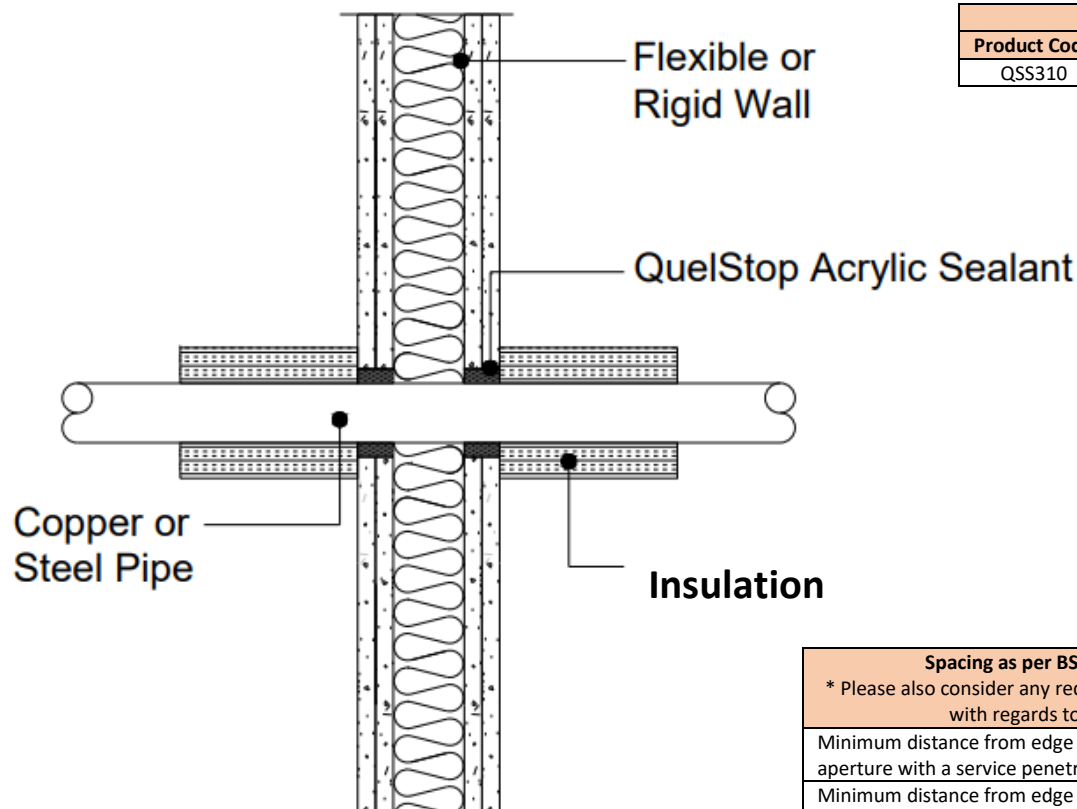
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Additional Instructions

Flexible walls to be insulated ($\geq 45\text{kg/m}^3$ rock fibre) and have a minimum 70mm wide stud and minimum 2no. layers of 12.5mm 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.

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

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*

Service Type	Size of services	Pipe Wall Thickness	QuelStop Acrylic Sealant (Installed both sides)	Backing Material	Pipe Insulation	Classification
Copper/ Cast Iron & Steel Pipe*	$\leq \text{Ø}40\text{mm}$	0.8 - 14.2mm	10mm Annulus 25mm Depth	PE Backing rod, glass wool, stone wool or ceramic wool	6mm thick foil faced ceramic fibre insulation $\geq 300\text{mm}$ both sides (L/I)	E 120 C/U EI 90 C/U
	$\text{Ø}40 - 159\text{mm}$	1.8 - 14.2mm				E 120 C/U EI 20 C/U

* All metal pipe materials are covered which have a thermal conductivity equal or lower than the metal pipe tested and provided the melting point is at least equal or greater.

To be read in conjunction with:	UL EU Certificate 01192-CPR, Page 39
Test standard:	BS EN1366-3 & EN13501-2:2016
Substrate minimum thickness:	120mm
First Service Support:	$\leq 400\text{mm}$
Drawing Scale:	Not to Scale
Issue Number:	3
Date of Issue:	January 2023
Detail Reference:	QSS-FW120-02

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:

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