

QWR-RW100-04

Plastic Vent Ducts penetrating a rigid wall (100mm or thicker)

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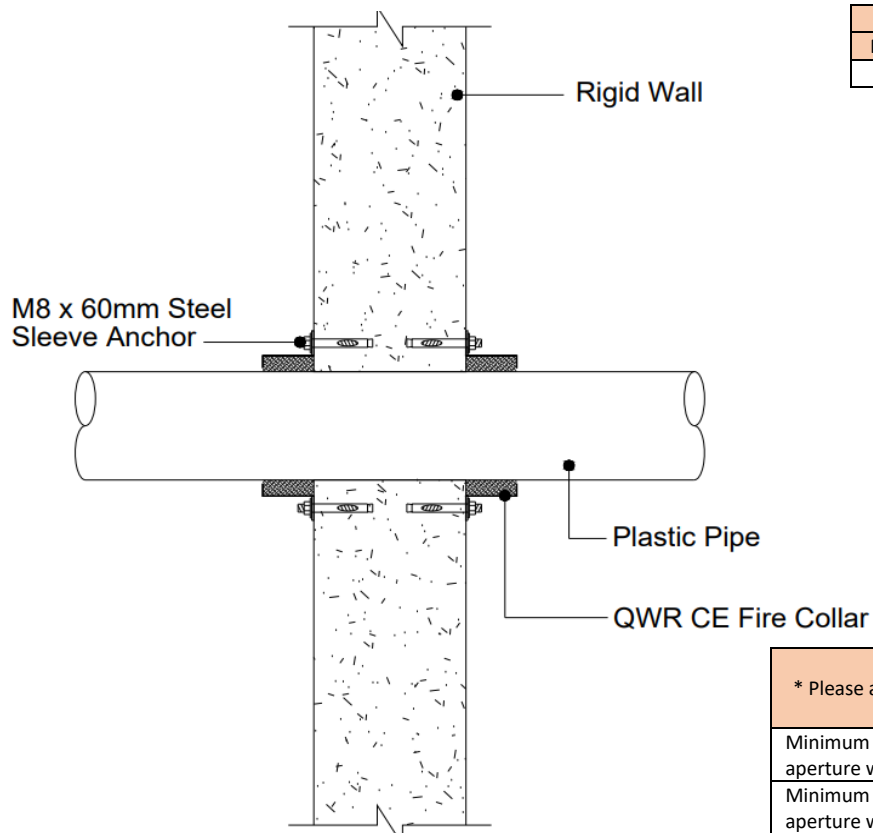
Additional Instructions

The wall must have a minimum thickness of 100mm 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
QWR205/60	Fire Collar for 204 x 60mm Rectangular ducts

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*

To be read in conjunction with:	WF Test Report 412164 – Specimen E
Test standard:	BS EN1366-3
Substrate minimum thickness:	100mm
First service support:	≤400mm
Drawing Scale:	Not to Scale
Issue Number:	3
Date of Issue:	January 2023
Detail Reference:	QWR-RW100-04

Service Type	Size of Service	Pipe Wall Thickness	Recommend Hole Dia.	QWR Collar	Fire Rating
Rectangular Vent duct	204 x 60mm	1.5mm	206 x 62mm	QWR205/60	90 minutes Integrity U/U 30 minutes insulation U/U

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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