

# QSS-FW75-PP-05

# Cable conduit penetrating a flexible or rigid wall (75mm or thicker)



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 (Insulated or Uninsulated) to have a minimum 50mm wide metal or timber stud and minimum 1no. 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. For timber stud walls there shall be a minimum distance of 100mm from the penetration seal to any timber stud and the void between the stud and seal shall be filled with a minimum 100mm depth of Class A1 or A2 insulation.

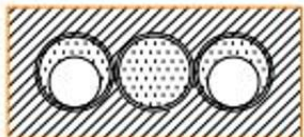
**QuelStop Acrylic Sealant installed in the conduit between the cables and conduit.**

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.

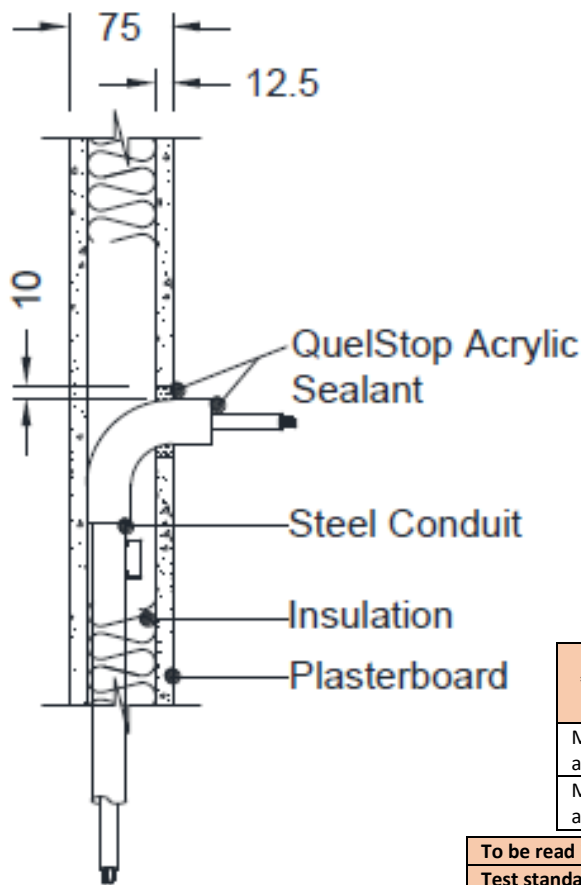
BS EN 1366-3:2021 Section 13.7: The distance between the aperture edges of penetration seals in a building element shall be as tested or minimum 100mm. The distance between the aperture edge of a penetration seal and any other penetration (e.g., door) in a building element shall be minimum 200mm.

**\* Conduit Bundle**

Up to 3no. steel conduits can be installed into an aperture 116mm wide x 52mm high. Conduits must be positioned in a linear row and must be a minimum 10mm distance from the edge of the aperture. QuelStop Acrylic Sealant is then installed to a minimum 12.5mm depth around the conduit bundle.



Service Type	Size of Conduit	Size of Cable	Sleeve wall thickness	Conduit Protrusion	QuelStop Acrylic Sealant	Fire Rating
Rigid Steel conduit	≤Ø25mm	≤Ø21mm	1.5mm	≥20mm	10mm Annulus 12.5mm Depth	60 minutes Integrity C/C 45 minutes Insulation C/C
≤3 x Rigid Steel conduit					≤116mm wide x 52mm high x 12.5mm depth*	



Quelfire Products Required	
Product Code	Description
QSS310	<a href="#">QuelStop Intumescent Acrylic Sealant</a>

**\*\* Test Evidence**

This detail will be included in a future update of the QuelStop Acrylic Sealant Classification report. The fire test report detailed is not for general distribution but can be requested by the project's qualified fire consultant/ engineer if they contact the Quelfire Technical Team directly.

**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 <b>not</b> tested to BS EN 1366-3	200mm*

<b>To be read in conjunction with:</b>	WF Test Report 541461R Specimen E1 & E2**
<b>Test standard:</b>	BS EN1366-3
<b>Substrate minimum thickness:</b>	75mm
<b>First Service Support:</b>	≤400mm
<b>Drawing Scale:</b>	Not to Scale
<b>Issue Number:</b>	2
<b>Date of Issue:</b>	August 2025
<b>Detail Reference:</b>	QSS-FW75-PP-05

**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 on both sides of the firestop to ensure that no load is transferred onto the firestop seal.

**Scope and Liability:**

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