

# QSS-FW100-01

## Cable Penetrating a flexible or rigid wall (100mm or thicker)



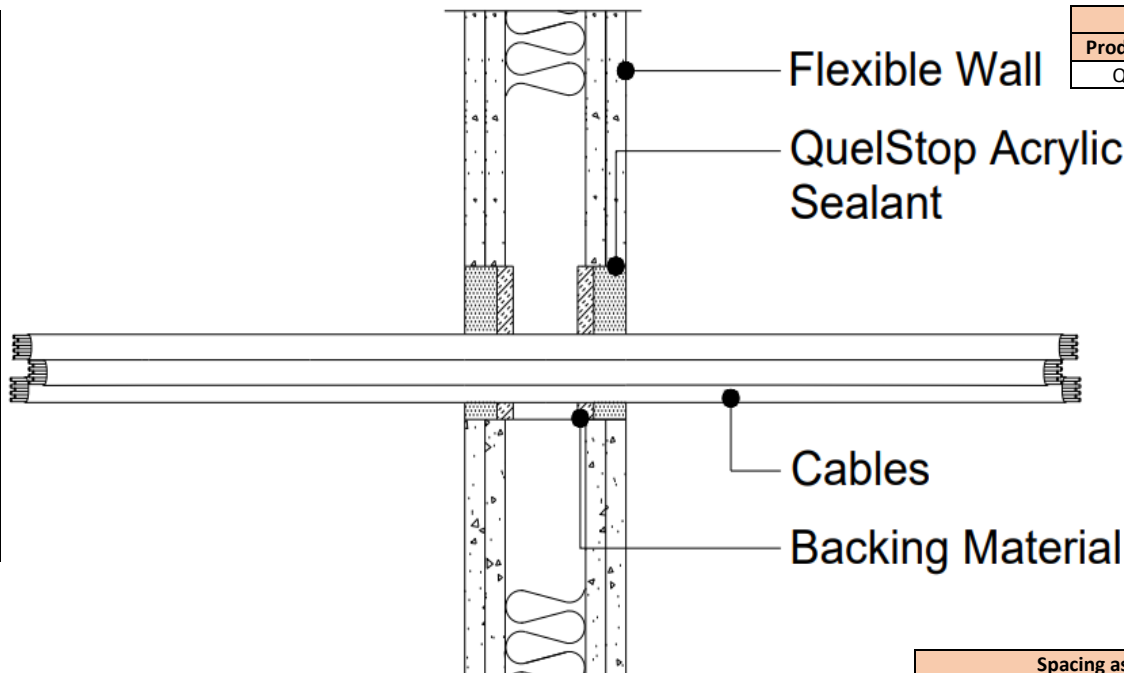
This standard detail is intended for general information only and all details should be checked against all relevant supporting test evidence, certification and installation guidelines. In line with the company's policy of continual development, details are subject to change and/ or withdrawal therefore you must ensure this is the latest published detail and instructions.

**Additional Instructions**

Flexible walls can be insulated or uninsulated and must have a minimum 50mm 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

Service Type	Size of services	Backing Material	QuelStop Acrylic Sealant (Installed both sides)	Minimum Distance from edge of aperture	Classification
Cable	≤Ø21mm	Stone wool or ceramic wool (≥20mm ≥45kg/m³)	Maximum Aperture 180 x 180mm 20mm Depth	10mm	EI 120
	Ø22 - 50mm				E 90
Cable Bundle ≤100mm Bundle of cables ≤21mm					EI 60
	PVC Conduit				≤Ø16mm
Copper/Steel Conduit	E 120 EI 20				

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*

<b>To be read in conjunction with:</b>	UL EU Certificate 01192-CPR, Page 38
<b>Test standard:</b>	BS EN1366-3 & EN13501-2:2016
<b>Substrate minimum thickness:</b>	100mm
<b>First Service Support:</b>	≤400mm
<b>Drawing Scale:</b>	Not to Scale
<b>Issue Number:</b>	4
<b>Date of Issue:</b>	January 2023
<b>Detail Reference:</b>	QSS-FW100-01

**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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