

QB-FW75-P-13

Cable Trunking 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 can be insulated or uninsulated and must have a minimum 50mm wide stud and a minimum 1 x layer of 12.5mm fire rated plasterboard on both sides of the stud.

QuelStop Fire Pillows installed lengthways within the trunking (central to the wall). The overall fill area of the trunking system filled with cables must not exceed 50%. Ensure that the space between the cables and top of the trunking is tightly filled with pillows so there are no gaps.

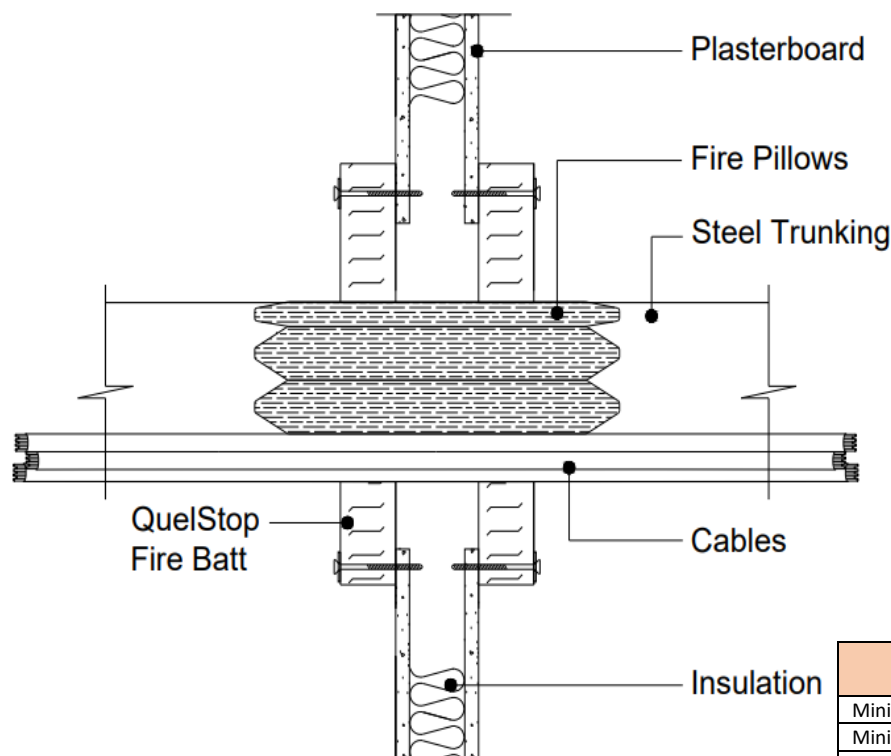
Overlap of QuelStop Fire Batt to substrate should be $\geq 50\text{mm}$ on top and sides and $\geq 30\text{mm}$ on the bottom. QuelStop Fire Batt installed in horizontal rows and fixed in a minimum of 2 vertical edges.

All services sealed with QuelStop Acrylic Sealant.
All edges, cuts and joints of the QuelStop Fire Batt tightly butted and 'buttered' sealed with QuelStop Acrylic Sealant across the entire thickness of the QuelStop Fire Batt.

All exposed mineral wool edges, screw heads and washers should be 'buttered' with a layer of QuelStop Acrylic Sealant or coated with QuelStop Ablative Coating.

The total amount of cross section area of the services (including insulation) should not exceed 60% of the service penetration area.

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.



Quelfire Products Required

Product Code	Description
QB50D	QuelStop Fire Batt
QFP1	QuelStop Fire Pillow (Small)
QFP2	QuelStop Fire Pillow (Medium)
QFP3	QuelStop Fire Pillow (Large)
QSS310	QuelStop Intumescent Acrylic Sealant
QSC5KG	QuelStop Ablative Coating 5kg tub

QuelStop Fire Batt Fixing Instruction

QuelStop Fire Batt bedded to wall using QuelStop Acrylic Sealant and mechanically fixed to the substrate with minimum 6mm x 80mm steel wood screws and 25mm diameter steel retaining washers for flexible partitions or 6mm x 100mm countersunk concrete screws with 25mm steel retaining washers for rigid walls. Fixings installed in the centre of the overlap at maximum 300mm centres and in every corner of the batt seal.

Trunking Detail

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Without rock fibre insulation	1
With rock fibre insulation	2

Multiple Service Penetration Spacing

Distances are from edge of fire stop seal

Minimum distance from edge of opening	0mm
Minimum distance between Services within the table	100mm
Minimum distance between other Service types	100mm

To be read in conjunction with:	WF Classification Report 401716 Issue 6, Pages 51 & 52
Test standard:	BS EN1366-3:2009 & EN13501-2:2016
Substrate minimum thickness:	100mm
First Service Support:	$\leq 400\text{mm}$
Maximum Aperture:	800mm wide x 600mm high
Drawing Scale:	Not to Scale
Issue Number:	1
Date of Issue:	October 2021
Detail Reference:	QB-FW75-P-13

Service Type	Size of Trunking	Size of Services	Classification
Steel Trunking with Cables	$\leq 50 \times 50 \text{ mm}$	$\leq \varnothing 21\text{mm}$	EI 60 U/U
	$\leq 150 \times 150\text{mm}$		E 60 U/U EI45 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:

- Any information provided by or on behalf of Quelfire Limited is provided for general information only. It is not intended to amount to advice on which you should rely. You must obtain professional or specialist advice before taking, or refraining from, any recommendation or action.
- The summary is not exhaustive and does not consider all issues relevant to the enquiry. It is limited to the information and time available to us. We have not verified any information made available to us by you or any other source, nor have we carried out a physical inspection of any property. We make no representations, warranties or guarantees, whether expressed or implied, that any information is accurate, complete or up to date.
- We do not accept a duty of care to you or any other person in respect of the enquiry, nor do we accept any liability to you or any other person for any loss arising out of or in connection with the enquiry or any reply provided by us. Different limitations and exclusions of liability arising as a result of the supply of any products or services by us to you, and these will be set out in our terms and conditions of supply, a copy of which is available on request.
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QB-FW75-P-13

Cable Trunking Penetrating a flexible or rigid wall (75mm or thicker)



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Additional Instructions

Flexible walls can be insulated or uninsulated and must have a minimum 50mm wide stud and a minimum 1 x layer of 12.5mm fire rated plasterboard on both sides of the stud

QuelStop Fire Pillows installed lengthways within the trunking (central to the wall). The overall fill area of the trunking system filled with cables must not exceed 50%. Ensure that the space between the cables and top of the trunking is tightly filled with pillows so there are no gaps

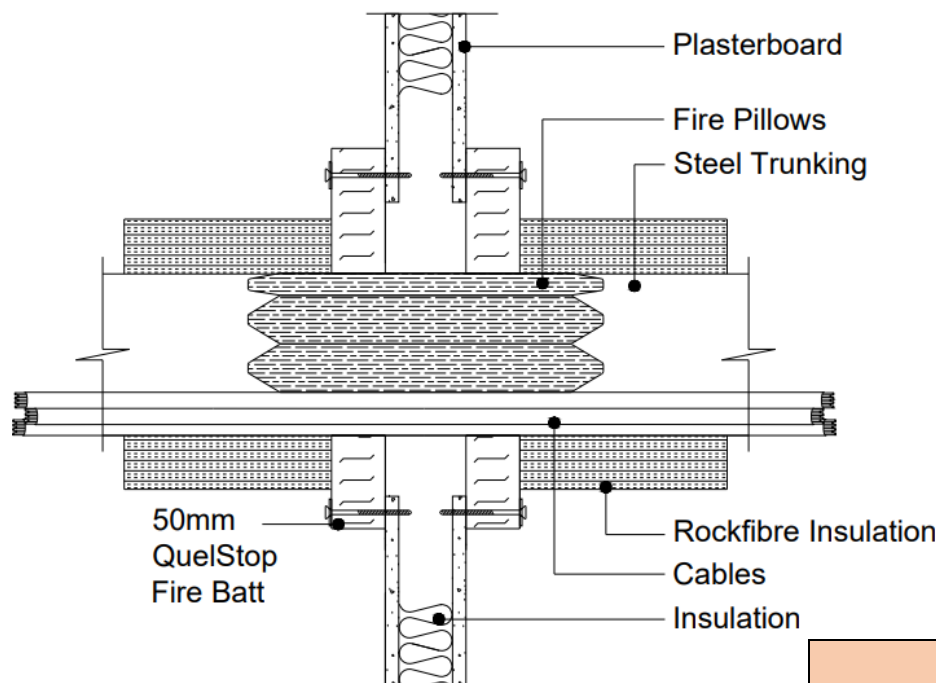
Overlap of QuelStop Fire Batt to substrate should be a $\geq 50\text{mm}$ on all sides. QuelStop Fire Batt installed in horizontal rows and fixed in a minimum of 2 vertical edges.

All services sealed with QuelStop Acrylic Sealant. All edges, cuts and joints of the QuelStop Fire Batt tightly butted and 'buttered' sealed with QuelStop Acrylic Sealant across the entire thickness of the QuelStop Fire Batt.

All exposed mineral wool edges, screw heads and washers should be 'buttered' with a layer of QuelStop Acrylic Sealant or coated with QuelStop Ablative Coating.

The total amount of cross section area of the services (including insulation) should not exceed 60% of the service penetration area.

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.



Quelfire Products Required

Product Code	Description
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QuelStop Fire Batt Fixing Instruction

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Trunking Detail	Page No.
Without rock fibre insulation	1
With rock fibre Insulation	2

Multiple Service Penetration Spacing

Distances are from edge of fire stop seal

Minimum distance from edge of opening	0mm
Minimum distance between Services within the table below	100mm
Minimum distance between other Service types	100mm

To be read in conjunction with:	UL-EU 01222-CPR, Pages 11 & 12
Test standard:	BS EN1366-3:2009 & EN13501-2:2016
Substrate minimum thickness:	100mm
First Service Support:	$\leq 400\text{mm}$
Maximum Aperture:	800mm wide x 600mm high
Drawing Scale:	Not to Scale
Issue Number:	1
Date of Issue:	October 2021
Detail Reference:	QB-FW75-P-13

Service Type	Size of Trunking	Size of Services	Trunking Insulation	Classification
Steel Trunking with Cables	$\leq 50 \times 50 \text{ mm}$	Cables - 1x A1, A2, A3	$\geq 40\text{mm}$ thick rock fibre $\geq 45\text{kg/m}^3$ density (L/I $\geq 400\text{mm}$)	EI 60 U/U
	$\leq 150 \times 150\text{mm}$	Cable - 1 x A1 Cable - 1 x A2 Cable - 1 x A3		

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.

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- We do not accept a duty of care to you or any other person in respect of the enquiry, nor do we accept any liability to you or any other person for any loss arising out of or in connection with the enquiry or any reply provided by us. Different limitations and exclusions of liability arising as a result of the supply of any products or services by us to you, and these will be set out in our terms and conditions of supply, a copy of which is available on request.
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