

QI-LJ-V-01

Vertical Linear Joint – Concrete to Concrete (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

The wall must have a minimum thickness of 100mm and comprise of concrete or aerated concrete, with a minimum density of 670 kg/m³.

Intufoam is supplied in 1 metre lengths and simply compressed by hand and inserted into the linear gap where they will then expand holding themselves in place.

The Intufoam should be positioned 25mm back from the edge of the outer face of the wall.

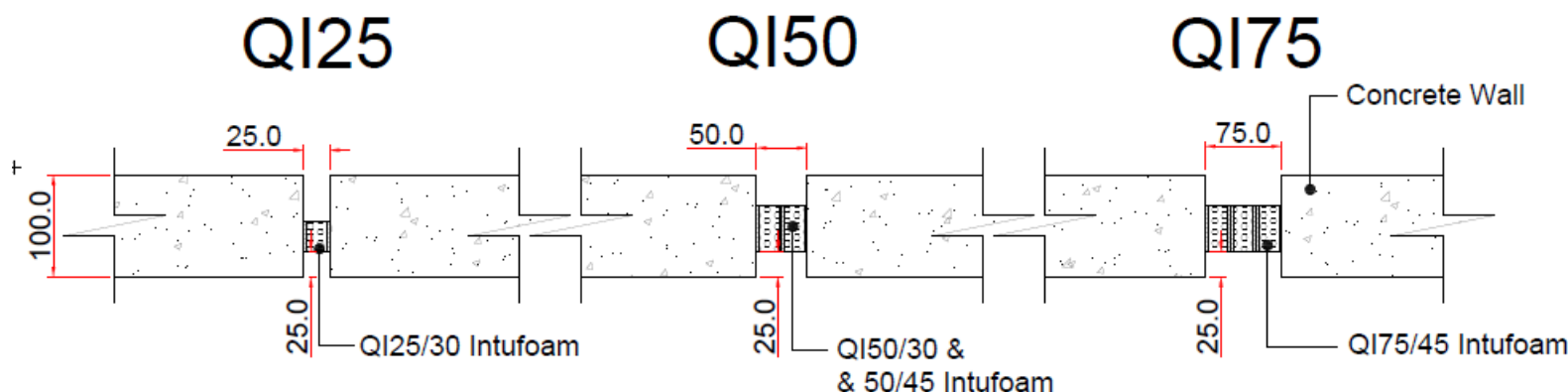
Individual lengths should be installed with a tight butt joint, end to end.

Where necessary to complete the length, Intufoam can be cut with a sharp knife or saw before inserting into the gap.

Quelfire Products Required

Product Code	Description
QI25/30	QI Intufoam to suit gaps up to 25mm (30mm wide)
QI50/30	QI Intufoam to suit gaps up to 50mm (30mm wide)
QI50/45	QI Intufoam to suit gaps up to 50mm (45mm wide)
QI75/45	QI Intufoam to suit gaps up to 75mm (45mm wide)

No. of Layers	Page No.
1 Layer	1
2 Layers	2



Product	Dimensions	Max & Min gaps	Maximum Compressed Size	Range	Fire Rating
QI25/30	25mm + (height) 30mm (width) 1000mm (length)	10 - 25mm	10mm	Up to 15mm	90 mins Integrity 60 mins Insulation
QI50/30	50mm + (height) 30mm (width) 1000mm (length)	25 - 50mm	25mm	Up to 25mm	60 mins Integrity 30 mins Insulation
QI50/45	50mm + (height) 45mm (width) 1000mm (length)				90 mins Integrity 30 mins Insulation
QI75/45	75mm + (height) 45mm (width) 1000mm (length)	40 - 75mm	40mm	Up to 35mm	60 mins Integrity 45 mins Insulation

To be read in conjunction with:	Test Report WF430854/R
Test standard:	BS EN1366-4
Substrate minimum thickness:	100mm
Drawing Scale:	Not to Scale
Issue Number:	5
Date of Issue:	January 2023
Detail Reference:	QI-LJ-V-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:

- 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.
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Additional Instructions

The wall must have a minimum thickness of 100mm and comprise of concrete or aerated concrete, with a minimum density of 670 kg/m³.

Intufoam is supplied in 1 metre lengths and simply compressed by hand and inserted into the linear gap where they will then expand holding themselves in place.

Individual lengths should be installed with a tight butt joint, end to end.

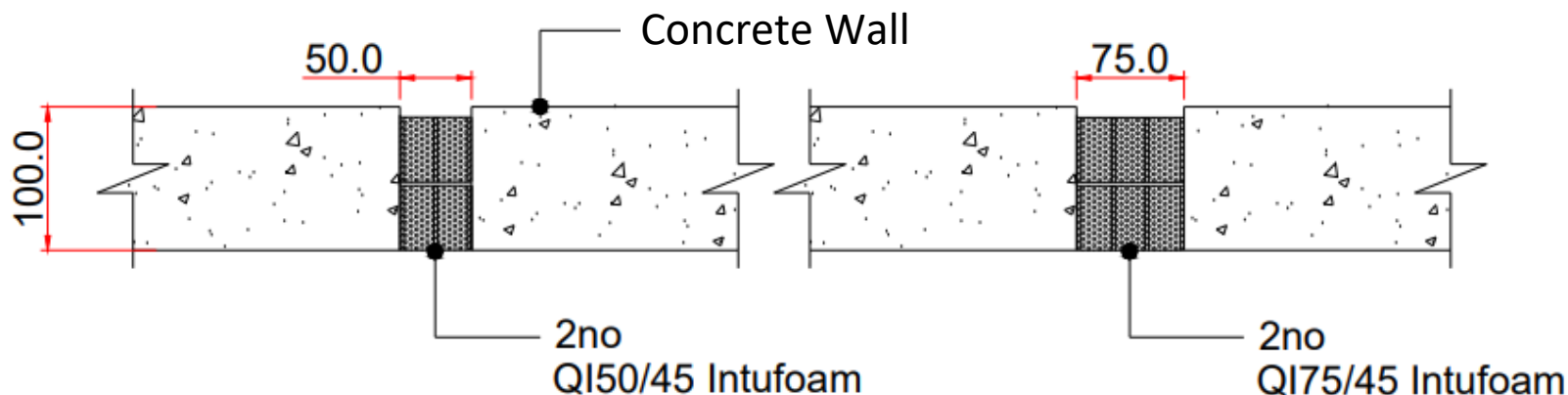
2x pieces of QI Intufoam are compression fitted within the aperture flush with the exposed face and no gap between.

Where necessary to complete the length, Intufoam can be cut with a sharp knife or saw before inserting into the gap.

Quelfire Products Required

Product Code	Description
QI50/45	QI Intufoam to suit gaps up to 50mm (45mm wide)
QI75/45	QI Intufoam to suit gaps up to 75mm (45mm wide)

No. of Layers	Page No.
1 Layer	1
2 Layers	2



Product	Dimensions	No of pieces	Max & Min gaps	Fully Compressed Size	Range	Fire Rating
QI50/45	50mm + (height) 45mm (width) 1000mm (length)	2no.	25 - 50mm	25mm	Up to 25mm	120 mins Integrity 90 mins Insulation
QI75/45	75mm + (height) 45mm (width) 1000mm (length)	2no.	40 - 75mm	40mm	Up to 35mm	120 mins Integrity 90 mins Insulation

To be read in conjunction with:	Test Reports WF511732/R
Test standard:	BS EN1366-4
Substrate minimum thickness:	100mm
Drawing Scale:	Not to Scale
Issue Number:	5
Date of Issue:	January 2023
Detail Reference:	QI-LJ-V-01

Important Information:

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