# QI INTUFOAM LINEAR GAP SEAL

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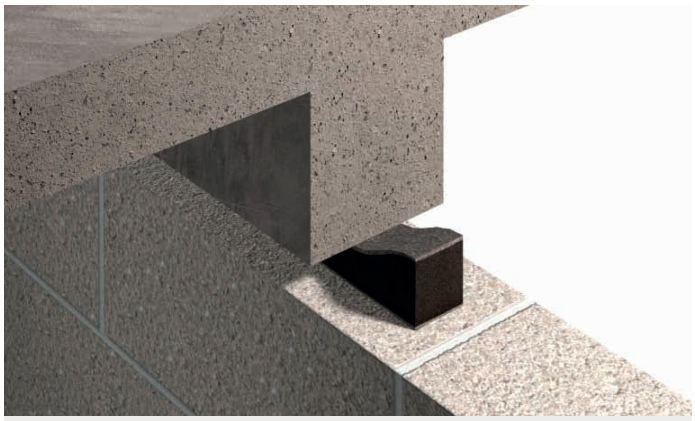
**QI Intufoam Linear Gap Seal** is a versatile fire resistant linear gap seal intended to provide a fire stop seal for linear joints or at the junction of compartment floors and walls. The compressible foam core accommodates different joint widths and a number of products are available providing different fire ratings, in different gaps and orientations.

QI Intufoam Linear Joint Seal

QI Intufoam Linear Joint Seal installed between concrete slabs

## FEATURES & BENEFITS

- Tested to BS EN1366-4:2006 + A1:2010 (Linear Gap Seals)
- Lightweight and easy to handle
- Provides various fire ratings
- Suitable for various gaps
- Compressible by hand
- Suitable for vertical joints in walls
- Suitable for horizontal joints in floors
- Suitable for horizontal joints at head of wall



QI Intufoam Linear Joint Seal installed as a head of wall detail

## COMPOSITION

QI Intufoam Linear Gap Seal is manufactured from compressible foam, impregnated with fire retardant chemicals. The foam is then bonded to a graphite based intumescent material to form a composite seal. In the event of fire this expands to maintain the fire stop seal.

TESTED TO warringtonfire BSEN 1366-3: 2009

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# QI INTUFOAM EXPANSION JOINT SEAL

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## APPLICATION / INSTALLATION

The Intufoam system comprises of 1 metre lengths of a compressible foam core faced with a flexible intumescent material. Different products within the range have a different number of layers of materials. Intufoam provides a reliable, easily installed fire seal to resist the passage of fire through linear gaps between non-combustible surfaces. The product is tested as defined in the relevant test reports between concrete surfaces and its suitability for use in conjunction with other materials and in the intended application should be determined or verified by a suitably qualified fire engineer. Typical instances where the Intufoam may be considered are as follows:

- Vertical joints in concrete walls.
- Horizontal joints in concrete floors.
- Head of wall to underside of a concrete floor.

Intufoam's excellent compression and recovery allows movement within the product, the minimum and maximum gap sizes are set out in the table below. In the event of a fire, the product will react and become a carbonaceous char sealing the gap.

Installation is by hand, the 1 metre lengths are simply compressed by hand and inserted in the linear gap where they will then expand holding themselves in place. The Intufoam should be positioned with a minimum of 25mm recess from the edge of the substrate – 25mm up from the underside of the concrete floor or 25mm back from 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.

## PERFORMANCE TABLE

For full details and performance information contact the Quelfire Technical Team. A summary of results is as follows:

| Product Code: | Suitable for Gaps: | Range: | Width of the seal: | Floor or Wall: | Integrity: | Insulation: |
|---|---|---|---|---|---|---|
| QI25/30 | 10 to 25mm | 15mm | 30mm | Floor | 120 minutes | 120 minutes |
| QI50/30 | 25 to 50mm | 25mm | 30mm | Floor | 60 minutes | 60 minutes |
| QI50/45 | 25 to 50mm | 25mm | 45mm | Floor | 90 minutes | 60 minutes |
| QI75/45 | 40 to 75mm | 35mm | 45mm | Floor | 60 minutes | 30 minutes |
| QI25/30 | 10 to 25mm | 15mm | 30mm | Wall | 90 minutes | 60 minutes |
| QI50/30 | 25 to 50mm | 25mm | 30mm | Wall | 60 minutes | 25 minutes |
| QI50/45 | 25 to 50mm | 25mm | 45mm | Wall | 90 minutes | 30 minutes |
| QI75/45 | 40 to 75mm | 35mm | 45mm | Wall | 60 minutes | 30 minutes |

**Technical Support & Guidance:**

Should you require any further information regarding this product, please do not hesitate to contact the technical department at Quelfire Ltd.

Tel: **0161 928 7308.** Email: **technical@quelfire.co.uk**

Please be aware that this document is intended for general information only and all details should be checked against all relevant supporting test evidence, certification and installation guidelines.

Use of alternative components or deviations from the instructions in any way is likely to mean that the installation will not comply with the assessed rating.

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