

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



QI Intufoam used in conjunction with QuelStop Fire Batt to allow for deflection in a head of wall seal



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

FEATURES & BENEFITS

- Tested to BS EN1366-4 (Linear Gap Seals)
- Tested to BS EN1366-3 in conjunction with the QuelStop Fire Batt system
- 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

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.



The Warringtonfire Logo displayed is the trademark of Warringtonfire registered in the United Kingdom. The Warringtonfire Logo is evidence that the products denoted as 'Tested by Warringtonfire' were tested to BSEN 1366-3: 2009 in England between 22nd September 2015 and 9th December 2022.

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, making them suitable for different size gaps and applications.

Intufoam provides a reliable, easily installed fire seal to resist the passage of fire through linear gaps between non-combustible surfaces where an element of movement may be required.

The product is tested as defined in the relevant test reports and subsequent standard installation details, generally between concrete surfaces and QuelStop Fire Batt. Its suitability for use in conjunction with other substrates is not something we could comment on and instead 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
- Head of wall as part of a QuelStop Fire Batt service penetration seal

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. 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.

In some instances a single or double width seal is required and it may also be necessary to have the Intufoam set back from the exposed front face of the wall or floor, refer to the specific installation details for full details.

DIMENSIONS TABLE

For full details and performance refer to the relevant standard installation details or contact the Quelfire Technical Team.

Below is a summary of the available products and dimension details:

| Product Code: | Suitable for Gaps: | Compressible Range: | Width of the Seal: |
|---------------|--------------------|---------------------|--------------------|
| QI25/30 | 10 to 25mm | 15mm | 30mm |
| QI50/30 | 25 to 50mm | 25mm | 30mm |
| QI50/45 | 25 to 50mm | 25mm | 45mm |
| QI75/45 | 40 to 75mm | 35mm | 45mm |

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.

Quelfire Ltd does not accept responsibility for the consequences of using Quelfire products in applications or for purposes not authorised by Quelfire Ltd. Expert advice should be sought where such applications are contemplated.

The policy of Quelfire Ltd is one of constant improvement. Details are subject to change and/or withdrawal without notification therefore you must ensure this is the latest published documentation. Whilst Quelfire will endeavour to keep its publications up to date, the accuracy of the information contained within this document may be affected by pertinent changes in the law or regulatory requirements and alterations or amendments to the specification of Quelfire products.

All information contained in this document is given in good faith and is provided for guidance only. Any drawings provided are for illustrative purposes only. As Quelfire Ltd has no control over the methods or competence of installation and of prevailing site conditions, no warranties, expressed or implied, is intended to be given as to the actual performance of the product mentioned or referred to herein and no liability whatsoever will be accepted for any loss, damage or injury arising from the use of the information given. Full terms and conditions can be accessed at: <https://quelfire.co.uk/terms-conditions-of-sale/>