

Fire Stopping Compartmentation Systems

FLAMOGAP



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FLAMOGAP

description

FLAMOGAP Linear Gap Seal is an elastomeric foam laminated with a graphite based intumescent layers. It is designed to perform as a 2 hour barrier in construction movement joints and is tested to EN 1366-4 and BS476. Stopseal Linear Gap Seal is designed for linear use between rigid horizontal and vertical fire resistant structural elements.

FLAMOGAP Linear Gap Seal is a flexible product that expands when exposed to heat to prevent the passage of fire from one compartment to another. It can also be used as a fire barrier inside cable trunkings allowing for the installation of further cables.

key product points

- Fire resistance testing to EN 1366-4 + A1 : 2010 E 120, EI 120 and BS476.
- Up to 120mins available.
- Acoustic Isolation to EN 10140 to 18dB.
- Air Permeability testing to EN 1026 to 600Pa - 100Pa 3.3/1.7 m³/h/m² with Flamoflex Coat
- Tested in Rigid Block Wall, Concrete and Masonary.
- Tested in Rigid Concrete Floors.
- Tested in Linear Joints up to 150mm wide.
- Tested with Cable Trunking.
- Joint movement capability of up to 50%.
- Highly flexible.
- Maintenance free.
- Halogen free, resists fungi and vermin.

rigid floor - linear joints

PRODUCT TECHNICAL DATA		
Description	Result	Test standards
Colour	Black	
Density	75Kg/m ³	
Fire Resistance (mins)	EI 120	EN 1366-4
Acoustic Performance	Acoustic Reduction up to 8Rw, 18DnTW	EN10140
Air Permeability	200Pa EN 1026 - 100Pa 1581/1590 m ³ /h/m ² 600Pa EN 1026 - 100Pa 3.3/1.7 m ³ /h/m ² with Flamoflex Coat	EN 1026
Expansion Ratio	1:20	
Maximum Size of Aperture	150mm	
Maximum Size of Seal	170mm (other sizes can be requested)	
Length	1000mm	
Movement Capability	Compression - up to 75%, Extension - up to 50% depending on product size	
Expected Working Life	Life cycle of the building	

Once compressed FlamoGap will return to original size

installation

Ensure that the aperture and services in question are tested with FlamoGap Linear Gap Seal and that the site conditions are within the application specification. Sufficient space needs to be present to allow for an acceptable installation method. Measure the void to be filled to ensure the correct size of FlamoGap Linear Gap Seal is being used. Clean the surrounding area so that it is free from dust.

For trunking boxes tie any loose cables so that they form a tight bunch. Compress seal between fingers and press into place. Slide in to place to ensure a snug fit to the surrounding building element or trunking. Ensure that core recovers and edge of the seal is flush with the face of the joint. Seal can be cut easily with a Stanley knife to give correct fitting length.

rigid wall - linear joints

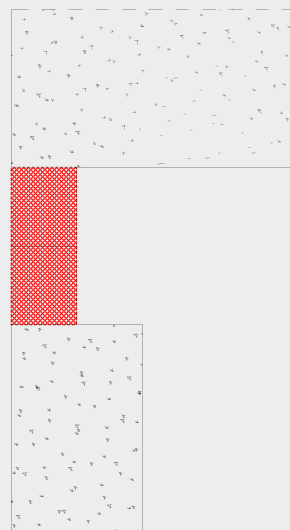
BLOCKWORK / MASONRY / CONCRETE (AERATED OR NORMAL) WALL INSTALLATIONS

Seal Ref.	Min. Joint Width mm	Max. Joint Width mm	Product Depth (mm)	Fire Resistance Performance (mins)
FlamoGap 10/2	5	10	12	E 120 EI 120
FlamoGap 20/2	11	20	12	
FlamoGap 25/2	21	25	20	
FlamoGap 35/2	26	35	20	
FlamoGap 50/2	36	50	35	
FlamoGap 65/2	51	65	40	
FlamoGap 75/2	66	75	50	
FlamoGap 100/2	76	100	100	
FlamoGap 125/2	101	125	125	
FlamoGap 150/2	126	150	100	

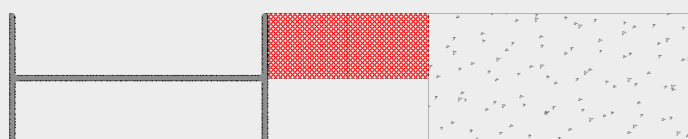
typical layout TRIA (linear gap seal) in rigid wall and floor system



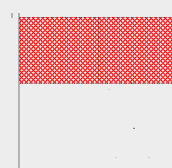
Typical section Igs (linear gap seal) in rigid floor system



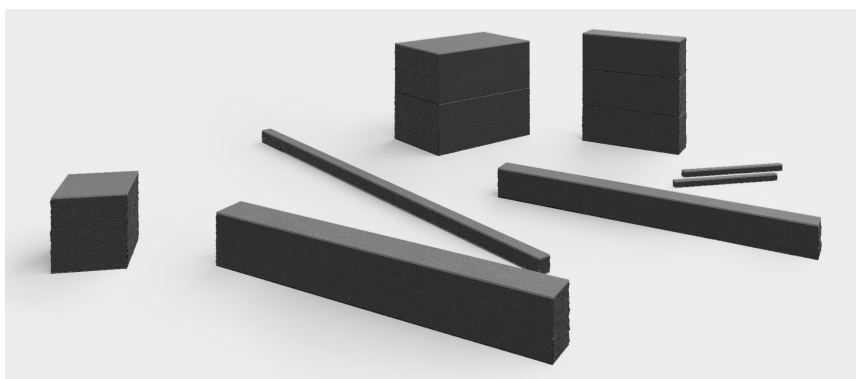
Typical view Igs (linear gap seal) at head of rigid wall and floor system

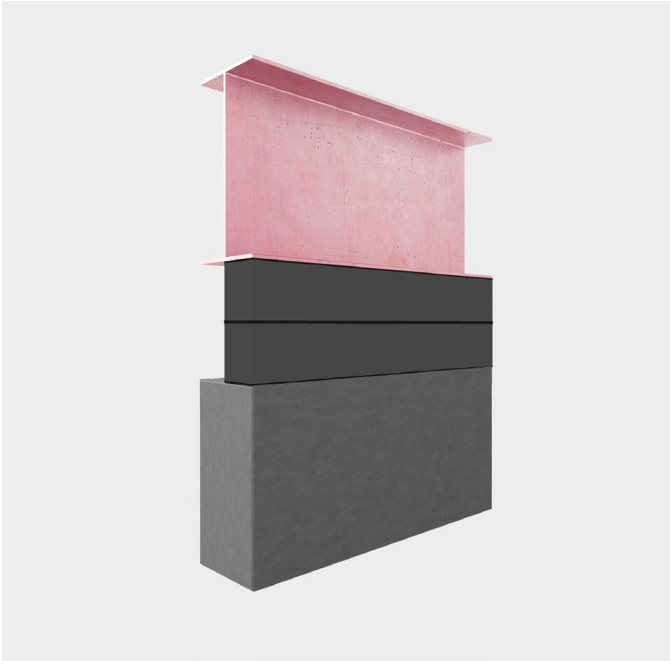


Plan view Igs (linear gap seal) in rigid wall system with protected steelwork



Section view Igs (linear gap seal) in electrical trunking placed centrally within aperture





BLOCKWORK / MASONRY / CONCRETE (AERATED OR NORMAL) FLOOR INSTALLATIONS

Seal Ref.	Min. Joint Width mm	Max. Joint Width mm	Product Depth (mm)	Fire Resistance Performance (mins)
FlamoGap 10/2	5	10	12	E 120 EI 120
FlamoGap 20/2	11	20	12	
FlamoGap 25/2	21	25	20	
FlamoGap 35/2	26	35	20	
FlamoGap 50/2	36	50	35	
FlamoGap 65/2	51	65	40	
FlamoGap 75/2	66	75	50	
FlamoGap 100/2	76	100	100	
FlamoGap 125/2	101	125	125	
FlamoGap 150/2	126	150	100	

substrates

All walls and floors shall have at least the same fire resistance as that required for the sealing system.

information

TRIA has Technical Representatives who provide assistance in the selection and specification of TRIA products. For more information, specification and technical advice please call our Head Office geral@tria.pt. Guarantee / Warranty: TRIA products are manufactured to rigid standards of quality. Any product which has been applied in accordance with TRIA's written instructions and in any application

recommended by TRIA, but which is proved to be defective in product quality, will be replaced free of charge. No liability can be accepted for the information provided in this document although it is published in good faith and believed to be correct. TRIA reserves the right to alter product specifications without prior notice, in line with our Company policy of continuous development and improvement.

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