

Technical Data Sheet

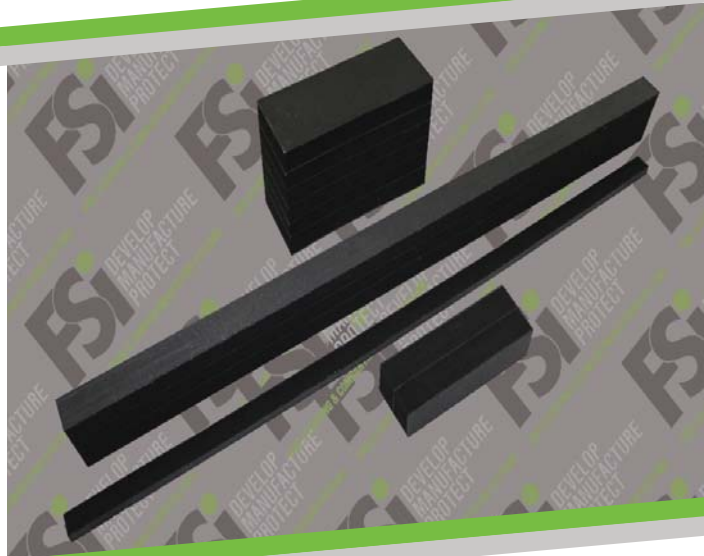
Stopseal Linear Gap Seal

UIC of product-type: LGS

Issue: 5.1
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CE Certification
Air Permeability
Movement Rigid Walls
Pipes Linear joints
Acoustic Rating
Trays Rigid Floors
CE Certification
Air Permeability



CE Certification
Penetration Seals
Movement Rigid Walls
Metallic Pipes Linear
Flexible Walls Acoustic
Cable Trays Rigid Floors
Plastic Pipes CE Certification
Air Permeability



APPROVED
CF507

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Product Technical Data

Product Overview

Technical Description of the Product

Stopseal Linear Gap Seal is an elastomeric foam laminated with a graphite based intumescent compound on both sides. It is designed to perform as a 2 or 4-hour barrier in construction movement joints and is tested to EN 1366-4 and BS476. It is designed for long linear installations in horizontal and vertical applications. Stopseal Linear Gap Seal is suitable for use between rigid horizontal and vertical fire rated structural elements. (Between horizontal and vertical fire rated rigid structural elements).

Stopseal Linear Gap Seal is a flexible water resistant seal that expands when exposed to heat. 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 E 120, EI 120 and BS476.
- Upto 240mins available.
- Certifire 3rd Party Certification CF 507.
- IET (IEE) 17th Edition Fire Stop Compliant to Regulation 527.1-3 - Electrical Installations.
- BS 7671-2008 Chapter 42 & 52 - Electrical Installations Fire Resistance.
- Acoustic Isolation to EN 10140 to 22dB.
- Air Permeability testing to EN 1026 to 600Pa - 100Pa 3.3/1.7 m³/h/m² with Flexi-Coat.
- Tested in Rigid Block Wall, Concrete and Masonary.
- Tested in Rigid Concrete Floors.
- Tested in Linear Joints up to 150mm wide.
- Tested with Cables, Cable Bunches, Cable Trays and Cable Trunking.
- Joint movement capability of 50%.
- Highly flexible and water resistant.
- Maintenance free.
- Halogen free, resists fungi and vermin.



Product Technical Data

Description	Result	Test Standard
Colour	Black	
Density	75Kg/m ³	
Fire Resistance	E 120 / EI 120 BS	BS 476 & EN 1366-4
Acoustic Performance	Acoustic Reduction up to 8Rw, 22DnTW	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 FSi Flexi-Coat	EN 1026
Expansion Ratio	25 times	
Maximum Size of Aperture	150mm	
Maximum Size of Seal	170mm (other sizes can be requested)	
LGS Length	1000mm strips	
Movement Capability	50% (compression of 75% / expansion)	
Compression	75%	
Expected Shelf Life	N/A	N/A
Once compressed LGS will return to original size		

Installation

Ensure that the aperture and services in question are tested with Stopseal Linear Gap Seal, and that the site conditions are within the application specification. Sufficient space needs to be present at the service for an acceptable installation method.

Measure the void to be filled to ensure the correct size of Stopseal 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.



Performance Data - Walls

Substrates

The walls shall be a minimum of **150mm thick**. Masonry / Concrete walls shall have a minimum density for concrete or brick of 780kg/m³ and for aerated concrete blocks of 600kg/m³. All walls shall have at least the same fire resistance as that required for the sealing system.

RIGID WALL

Linear joints

Blockwork / Masonry / Concrete (aerated or normal) Wall Installations with a minimum thickness of 150mm.				
Seal Ref.	Min. joint Width mm	Max. Seal Width mm	Min. Seal Depth mm	Integrity (mins)
LGS10/2	10	12	12	120
LGS20/2	20	29	12	120
LGS25/2	25	32	20	120
LGS35/2	35	53	20	120
LGS50/2	50	61	35	120
LGS65/2	60	85	40	120
LGS75/2	75	90	50	120
LGS100/2	100	126	100	120
LGS125/2	125	147	125	120
LGS150/2	150	170	100	120
Application Technique		Compressed into gap / joint such that the multi-layers / banding are visible.		



Performance Data - Floor

Substrates

The floors shall be a minimum of **150mm thick**. Masonry / Concrete floors shall have a minimum density for concrete or brick of 780kg/m³ and for aerated concrete blocks of 600kg/m³. All floors shall have at least the same fire rating as that required for the sealing system.

RIGID FLOOR

Linear joints

Blockwork / Masonry / Concrete (aerated or normal) Floor Installations 150mm thick (min.)				
Seal Ref.	Min. joint Width mm	Max. Seal Width mm	Min. Seal Depth mm	Integrity (mins)
LGS10/2	10	12	12	120
LGS20/2	20	29	12	120
LGS25/2	25	32	20	120
LGS35/2	35	53	20	120
LGS50/2	50	61	35	120
LGS65/2	60	85	40	120
LGS75/2	75	90	50	120
LGS100/2	100	126	100	120
LGS125/2	125	147	125	120
LGS150/2	150	170	100	120
Application Technique		Compressed into gap / joint such that the multi-layers / banding are visible.		



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