

Product Data Sheet

Astro EJ Seal

Revision 4 - August 2018



Astro EJ Seal

Intumescent Expansion Joint Seals

- Fire Rated Expansion Joint Seal / Linear Joint Seal
- Available up to 150mm gap size.
- Joint movement capability of +/- 50%.
- Fire resistance testing to EN 1366-4 E 120, EI120 and BS 476 240mins.
- 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.
- Highly flexible and water resistant.
- Air Permeability testing to EN 1026 to 600Pa - 100Pa 3.3/1.7 m³/h/m² with FLEXI COAT.
- Maintenance free.



Product Description

All expansion and movement joints in a fire separating wall and floor must be fire stopped with a material that will accommodate the required movement whilst providing the necessary degree of fire integrity.

Astroflame Intumescent Expansion Joint 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, when tested to EN 1366-4 and BS476.

Designed for long linear joint installations in both horizontal and vertical applications it is a flexible and water resistant seal that expands when exposed to heat. The carbonaceous char formed by the graphite prevents the spread of fire through the joint thus ensuring the integrity of the compartment wall/floor is maintained.

Tested in block wall, concrete and masonry. Tested in concrete floors.

Tested in linear joints up to 150mm wide.

Joint movement capability of +/- 50%.

Maintenance free.

Halogen free, resists fungi and vermin

Properties and Specification

Colour	Black
Density	75Kg/m ³
Fire Resistance	EI 120 BS 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 Flexi-Coat
Expansion Ratio	25 Times
Maximum Size of Aperture	150mm
Maximum Size of Seal	170mm (other sizes can be requested)
Seal Length	1000mm
Seal Width	Various - see table
Movement Capability	+/- 50% (compression of 75% / expansion)
Compression	75%
Once compressed EJ Seal will return to original size	

Installation

Expansion Joint Seal is an extremely versatile filler material and can be used :

Between steelwork and blockwork where deflection and movement could occur.

In movement joints with blockwork walls and floors.

Top of wallhead to the underside of the floor - although gaps could be uneven Astroflame Intumescent Expansion Joint Seal is extremely compressible and should accommodate to any irregularities.

Product Availability

Supplied in metre lengths. When ordering please state product code and number of metre lengths required.

2 Hour Fire Rating

Product Code	Product Description	Gap Size	Size	Integrity	Insulation
AFEJ10/120	Astro EJ Seal 10mm	Up to 10mm	12x12mm	120mins	120mins
AFEJ20/120	Astro EJ Seal 20mm	11 – 20mm	29x12mm	120mins	30mins
AFEJ25/120	Astro EJ Seal 25mm	21 – 25mm	32x20mm	120mins	30mins
AFEJ35/120	Astro EJ Seal 35mm	26 – 35mm	53x20mm	120mins	60mins
AFEJ50/120	Astro EJ Seal 50mm	36 – 50mm	61x35mm	120mins	60mins
AFEJ60/120	Astro EJ Seal 60mm	51 – 65mm	85x40mm	120mins	60mins
AFEJ75/120	Astro EJ Seal 75mm	66 – 75mm	90x50mm	120mins	120mins
AFEJ100/120	Astro EJ Seal 100mm	76 – 100mm	126x100mm	120mins	120mins
AFEJ120/120	Astro EJ Seal 120mm	101 – 120mm	147x125mm	120mins	120mins
AFEJ150/120	Astro EJ Seal 150mm	121 – 150mm	170x100mm	120mins	120mins

Product Availability

4 Hour Fire Rating

Product Code	Product Description	Gap Size	Size	Integrity	Insulation
AFEJ10/240	Astro EJ Seal 10mm	Up to 10mm	12x25mm	240mins	120mins
AFEJ20/240	Astro EJ Seal 20mm	11 – 20mm	29x25mm	240mins	120mins
AFEJ25/240	Astro EJ Seal 25mm	21 – 25mm	32x30mm	240mins	60mins
AFEJ35/240	Astro EJ Seal 35mm	26 – 35mm	53x30mm	240mins	60mins
AFEJ50/240	Astro EJ Seal 50mm	36 – 50mm	64x50mm	240mins	120mins
AFEJ75/240	Astro EJ Seal 75mm	51 – 75mm	90x75mm	240mins	120mins
AFEJ100/240	Astro EJ Seal 100mm	76 – 100mm	126x125mm	240mins	240mins
AFEJ120/240	Astro EJ Seal 120mm	101 – 120mm	147x125mm	240mins	240mins
AFEJ150/240	Astro EJ Seal 150mm	126 – 150mm	170x125mm	240mins	240mins

To Order & Specify

Please contact us and quote the following information - Quantity / Product Code / Product Description / Size
 Typical example:- 10 / AFEJ10/120 / Astro EJ Seal 10mm 120 min Rated / 12x12mm

>> Tel: [01329 844 500](tel:01329844500) or >> Email: sales@astroflame.com

Installation

Please see installation sheet - This can be requested from our sales team T: [01329 844 500](tel:01329844500)
 or E: sales@astroflame.com

Health and Safety

Please see (SDS) Safety Data sheet - This can be requested from our sales team T: [01329 844 500](tel:01329844500)
 or E: sales@astroflame.com

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