

Intumescent Expansion Joint Seals

Trade Name: ASTRO EJ SEAL



BS476: Part 20

PR EN1336-4

Up to 4 hours fire resistance

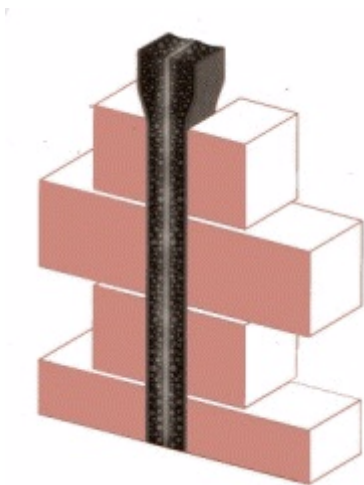
Weather proof & water resistant

Suits internal/external applications

Cost effective to install

Performance temperature between -30 to +130°C

Available in a wide range of sizes up to 100mm



Description

The sub-division of compartments in a building - if effectively fire stopped - will prevent the spread of fire and smoke through fire resisting and separating elements. All expansion and movement joints in a fire separating wall and floor must be fire stopped with a proprietary material that will accommodate the require movement whilst providing the necessary degree of fire integrity.

The ASTROflame Intumescent Expansion Joint Seal is manufactured using various thickness of flame retardant open cellular foam, fire rated to achieve Class 1 and Class 0 when tested to BS476 Part 20. Expandable graphite based intumescent is factory sprayed onto both sides of the foam, forming a compressible fire resistant joint filler which is resistant to moisture attack.

The graphite based material starts to intumesce around 115 ° C on the fire side of the joint whilst the fire rated foam gradually compresses allowing the expanding mass of intumescent graphite to totally seal the opening.

This carbonaceous char formed by the graphite will prevent the spread of fire through the joint thus ensuring the integrity of the compartment wall/floor is maintained.

Areas Of Use

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 Any Irregularities.
- Expansion Joint Is An Extremely Versatile Filler Material.

Availability

Gap Width	Product Ref for Gap Size in Relation to Period of Fire Resistance			
	90 min	120min	180 min	240 min
10mm	EJS10/90	EJS10/120	EJS10/180	EJS10/240
20mm	EJS20/90	EJS20/120	EJS20/180	EJS20/240
30mm	EJS30/90	EJS30/120	EJS30/180	EJS30/240
40mm	EJS40/90	EJS40/120	EJS40/180	EJS40/240
50mm	EJS50/90	EJS50/120	EJS50/180	EJS50/240
60mm	EJS60/90	EJS60/120	EJS60/180	EJS60/240
70mm	EJS70/90	EJS70/120	EJS70/180	EJS70/240
80mm	EJS80/90	EJS80/120	EJSS80/180	EJS80/240
90mm	EJS90/90	EJS90/120	EJS90/180	EJS90/240
100mm	EJS100/90	EJS100/120	EJS100/180	EJS100/240

Ordering Example: To specify for a gap width of of 40mm with a 120 minute resistance order EJS40/120. When ordering please state product reference and number of metre lengths required. Supplied by the metre.

Packing

Sold individually.

To Order & Specify

To order or specify: Quantity / Trade name / Product Ref / Size (Width in mm) / Fire Rating.

Typical wording: 20 / ASTRO EJ SEAL / EJS 40/120 / 40mm / 2 HOUR

Health And Safety

The product does not present any known health hazards during or after installation. Normal good industrial and personal hygiene practises should be observed.

Installation

Installation is easily effected by compressing the pre cut ASTROflame Intumescent Expansion Joint Seal and inserting into the joint and releasing. A minimum compression of 15% per thickness of material is recommended to ensure a rigid friction fit.

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FAREHAM, ENGLAND PO15 5RU

tel 0800 023 2482
(01329 844500)

fax 0800 023 2483
(01329 844600)

intl
tel +44 1329 844500

fax +44 1329 844600

email