ASTROFLAME
PASSIVE FIRE STOP SYSTEMS

Product Data Sheet

Astro HPE Sealant

UIC of product-type: AFHPE

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0843-UKTA-24/0039
0843-CPR-1387

ETA - 20-1090
CE-2531-CPR-CXO10295

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Astro HPE Sealant

High Pressure Expansion Sealant



- CE & UKCA Marked.
- UL-EU Accreditation.
- Suitable for use in rigid wall and floors, flexible wall and within batts wall and floor.
- Large service openings up to 300 x 100mm.
- Tested in accordance with EN 1366-3 : 2009.
- Metallic Pipes, Cables, Cable Bunches (inc Telecommunication), Cable Trays and Cable Ladders, please refer to the test certification.
- Combustible Pipes up to 125mm dia - PVC, PE, PP, ABS and PEX, please refer to the test certification.
- Causes no known effects to plastic pipes, plastic cables, sheathing or metallic components.
- Easy clean up with water and is odourless.
- Smoke, gas and air tight.
- High Expansion Ratio.
- Mould Resistant.





Product Description

Astro HPE Sealant is an acrylic based graphite sealant used to reinstate the fire resistance performance of wall and floor constructions where they have been provided for the penetration of single or multiple services, to form penetration seals where gaps are present.

Astro HPE Sealant expands upon contact with heat, also known as intumescent or reactive material Astro HPE Sealant is supplied within 310ml cartridges and 600ml foils. The sealant is gunned or trowelled into the annular space in or between the separating element/elements to a specific depth utilising backing materials.

*For specific details please refer to the test certification.

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CE

CE-2531-CPR-CXO10295
CE-ETA - 20/1090
ETAG 026 - Part 1 & 2
ASTRO HPE SEALANT
"See ETA - 20/1090 for relevant characteristics"

UK CA

0843-CPR-1387
0843-UKTA-24/0039
ASTRO HPE SEALANT
"See UKCA - 24/0039 for relevant characteristics"

Description	Result	Test Standards
Density	Ca. 1.23 - 1.33g/cm³	ISO 2811-1:2011
Shore Hardness A	68	ISO 7619-1:2010
Colour	Grey	
Application Temperature	+5 °C to 35 °C	
Expansion Onset Temperature	Ca. 180 °C	
Expansion	Up to 20 times	EOTA TR 024
Expansion Pressure	7 bar	EOTA TR 024
Skin Time	15 minutes @ 25 °C/ 50%RH	
Cure Time	1.7mm per 24hrs	
Shelf Life	18 months unopened	
pH	6 - 9	
Fire Resistance	EI 120	EN1366-3 and EN1366-4
Insulation	120	EN 1366-3
Air Permeability	600Pa - 100Pa 11.1/16.7 m3/h/m²	EN1026
Classification	EN 13501-2, ISO 11600	
Acoustics	Rw (C;Ctr) : 52 (-1;-6) dB	EN ISO 10140-2:2010
Durability Services	Type ZE, intended for use in internal conditions	
BREEAM International	Compliant	GN22: BREEAM Recognised Schemes for VOC Emissions from Building Products
Lubrizol Test Method	Pass	NSF Reference: P0128, P3111, P3147
Expected Shelf Life	At least 12 months	Stored in accordance with packaging instructions

Handling & Storage
For unopened material, store in a well ventilated, dry, cool environment. Recommended temp ranges +5°C - +35°C. Protect against exposure to direct sunlight. Always ensure that safe manual handling procedures are followed at all times.

For information and advice on the safe handling, storage and disposal of chemical products, please refer to the most recent Safety Data Sheet on astroflame.com

Product Availability

Astro HPE Sealant is supplied in rigid 310ml cartridge format for use with an applicator gun.

Product Code	Product Name	Colour	Size
AFHPESG	Astro HPE Sealant	Grey only	310ml cartridge
AFHPESGFOIL	Astro HPE Sealant - Foil	Grey only	600ml

To Order & Specify

Please contact us and quote the following information - Quantity / Product Code / Product Description / size
Typical example:- 10 / AFHPESG / Astro HPE Sealant / 310ml

>> Tel: 01329 844 500 or >> Email: sales@astroflame.com

Installation

We have technical representatives who provide assistance in the selection and specification of the products on this site and should be consulted for exact installation and product suitability. Ensure an early engagement with ourselves, designers, main contractor and specialist installers before any installation. Other trades and/or manufacturers may need to be consulted. For in-depth information, specification and technical advice please call our Head Office on tel 01329 844 500 or email sales@astroflame.com

Maintenance

All interested parties, designer, specifier, main contractor and specialist installers should provide access to allow the fire stopping seals to be regularly inspected and maintained, as well as records kept of such maintenance at minimum periods of 12 months, as required by the Regulatory Reform Order, and repaired if necessary. Reference should be made to ASFP TGD 17 – Code of Practice for the Installation and Inspection of Fire Stopping.

Competency

It is vital that those entrusted to design or install a fire stopping product have the necessary levels of competence to undertake the task professionally and thoroughly. The level of competency required will be commensurate with the expected complexity of the building. All designers must eliminate, reduce or control foreseeable risks that may arise during installation, construction or maintenance when preparing or modifying designs. Clients should ensure that the principal designer and principal contractor carry out their duties under CDM regulations. The ASFP foundation course in passive fire protection provides essential knowledge as part of demonstrating competency and understanding in this key fire protection specialism.

Additional Notes

Please refer to the ETA/UKCA/UL-EU sheet for fields of application for this product. For further information on installation requirements please refer to the manufacturer of the services and the wall/floor specification to ensure the compatibility of this product, if in doubt please contact the technical team with services and wall/floor specification on: T: 01329 844 500 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 or E: sales@astroflame.com

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