

Trade Name: Astro HPE Sealant

High Pressure Expansion Sealant

For sealing combustible and non combustible penetrations

Sealing combustible pipes PVC, HDPE and ABS up to 125mm. (2hrs)

Sealing of cables & Telecommunication bunches

Fire Resistance EN1366-3 EI120, EN1366-4-EI120
Fire Classification to EN13501-2
Air Permeability to EN1026 - 600Pa
ISO 11600.

Smoke, gas, water tight and air tight.

Can be used in openings up to 300mm x 100mm.

High Expansion Ratio - up to 20:1



Certifire Accreditation

Description

Astro HPE Sealant is a high pressure exerting, graphite based, intumescent sealant that expands when exposed to fire to protect penetrations, including pipes and cables. It also maintains the integrity and insulation performance of the seal.

The sealant is smoke, gas and air tight.

Under fire conditions the product swells and exerts pressure to the surrounding substrates leading to closure of the penetration. The integrity and insulation is then maintained by the stability of the remaining product char.

The sealant is intended for use in all types of service penetration through walls and floors where fire integrity and insulation needs to be preserved. It has excellent non slump properties coupled with ease of application due to its water based nature.

Suitable for sealing Armaflex insulation. Suitable for use in irregular applications.

Tested in Lightweight Partitions (plasterboard).

Insulation properties. Easy clean up with water and is odourless. Long life and can be over-painted.

Causes no known deleterious effects to plastic pipes, plastic cables, sheathing or metallic components.

Resists fungi and vermin.

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Astroflame Fireseals Ltd Unit 8 The I O Centre Stephenson Road Segensworth, Fareham Hampshire, PO15 5RU 14 1121-CPR-JA5024
ETA-14/0096 ETAG 026 – Part 1 ETAG 026 – Part 2 ASTRO HPE SEALANT "see ETA-14/0096 for relevant characteristics"

Applications Data

For sealing combustible and non combustible penetrations - including metallic pipes, PVC, HDPE and ABS.

Suitable for use in Block Wall, Concrete, Masonry and Plasterboards Partition.

Sealing combustible pipes up to 125mm. (2 hrs integrity and insulation).

Sealing of cables, Telecommunication bunches, Small, Medium and Large.

Can be used for sealing pipes with Armaflex insulation.

Can be used in linear joints - tested up to 20mm wide.

To achieve the correct fire rating the following guide on pipe / gap sizes and fill depths should be followed.

Pipe Size (mm)	Annular Gap (mm)	1Hr Depth (mm)	2Hr Depth (mm)
20	6	25	25
40	10	25	25
55	10	25	25
63	10	25	25
75	10	25	25
82	11	25	25
90	12	25	25
110	14	25	25
125	16	25	25
300 x 100mm void	Fill Exposed Face	25	25

See also installation data and video for this product.

Properties

Description	Aqueous thixotropic paste
Density Ca.	1.3g/cm ³
Colour	Grey
Application temperature	+ 5 °C to 35°C
Expansion onset temperature	Ca. 180 °C
Expansion	Up to 20 times
Skin time	15 minutes @ 25°C / 50%RH
Shelf life	18 months if unopened. Store between +5° C and +25° C above ground level in dry well ventilated conditions.
pH	8 - 9
Fire Resistance	EN1366-3 and EN1366-4 -EI120
Insulation	EN1366-3 120
Air Permeability	600Pa EN1026 - 100Pa 11.1/16.7 m ³ /h/m ²
Classification	EN 13501-2, ISO 11600.
Manufacture	ISO 9001:2008
	CF 5127

Certifire 3rd Party
Accreditation

Availability

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

Name	Dimensions	Colour	Product Code
Astro HPE Sealant	310ml cartridge	Grey only	AFHPESG

To Order & Specify

Please quote - Quantity / Trade Name / Product Ref.

Typical example:-

10 / Astro HPE Sealant / AFHPESG

Fire Test or Assessment Reports

EN1366-3 EI120, EN1366-4-EI120
Fire Classification to EN13501-2
Air Permeability to EN1026 - 600Pa
ISO 11600.

For specific fire insulation ratings contact Astroflame

Health and Safety

See COSHH datasheet for full details.

Environmental Impact

HPE Sealant contributes to a Green Building :-
Low VOC (air quality).
No Power Tools required for installation (no energy source required).
Dust free.
Low Ozone Depletion Potential (ODP).
Low Global Warming Potential (GWP).
No water pollution.
Smoke and Air Tightness.
Noise Reduction.
Thermal Insulation.
Recycling of Packaging.
Avoidance of Air Filtration.
Does not emit halogenated by-products.
Contains no raw materials known to have an estrogenic effect.
The life cycle of HPE Sealant is over 20 years.

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