

Trade Name: ASTRO PS COATING & ASTRO COAT

Fire Resistant Sealant Coat

Versions for use on fire batt or mineral wool.

Easy to use fibre free coating.

Fire Resistant testing
EN 1366-3 EI 60 E 90, E 120, BS 476 - 240mins.

Fire Classification to EN 13501-2.

IET (IEE) 17th Edition Fire Stop Compliant to
Regulation 527.1-3 - Electrical Installations.

BS 7671-2008 Chapter 42 & 52 - Electrical
Installations Fire Resistance.

Air Permeability testing to EN 1026 to 600Pa.

Acoustic Isolation testing to EN 10140 to
63dB.

Can be spray, brush or trowel applied.

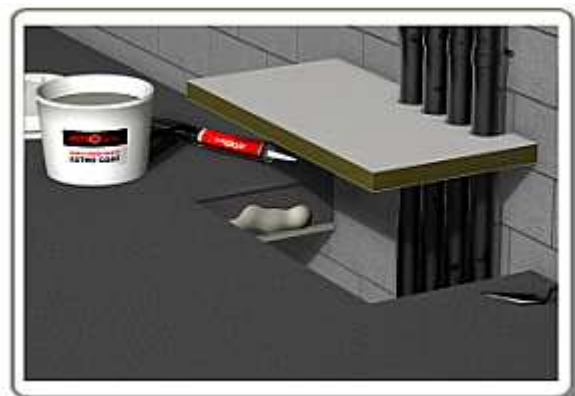
Remains flexible between -5° c to +70° c.

Life expectancy of over 25 years.

Suitable for large openings in walls and floors
with additional supports.

Flexible and water resistant.

Certifire 3rd Party Accreditation CF614.



Description

Astro Coat is a water-based, acrylic, ablative coating with excellent fire, water, air permeability and elastomeric properties.

It prevents the passage of fire, smoke, air and sound between fire rated compartments and has been tested in block wall, concrete, masonry, plasterboard partition, composite panel, durasteel wall and concrete floors.

Fire protects service penetration openings containing metallic pipes, cables, cable trays, heating & ventilation ducts and trunking. Can be used to coat service insulation as part of the sealing system.

At normal temperatures the coating remains flexible to permit thermal and mechanical movement of services and the building structure. (If you need a very flexible coating see [FLEXI-COAT](#)).

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Astro Coat is available in a thick or a thin consistency to suit different applications and customer needs. The differences in ratings are shown in the Properties & Specification section.

Astro Coat is a thinner formulation for use with **ASTRO BATT** fire board, to seal the edges around the services and between the substrate and the batt before installation. Application is by spray, trowel, brush or pouring applications.

Suitable for large openings in walls and floors with additional supports.

Fire Resistant testing to EN 1366-3 EI 60 E 90, E 120, BS 476 - 240mins.

Astro PS Coating (Astro Penetration Seal Coating) is a thicker formulation, for brush application, to coat plain stone wool as it is being installed by the user: it can also be applied to insulation already in place on the services, adding to the fire resistance of the seal.

Fire resistance has been tested to EN1366-4: 2009 EI 120 or BS 476 240 mins when applied to pre-fitted stone fibre of 140 - 180kg/m³ density and 40 to 150mm thickness. See the table below for [fire resistance and stone wool thickness](#).

The product resists vermin, is unaffected by oil and fungi, and contains no halogens, asbestos or VOC's.

Suitable for indoor use without additional environmental protection.



Properties & Specification

Description	Water based flexible acrylic coating
Colour	White
Density	1.25 - 1.3 g/cm ³
Cure Rate	0.5mm per day at 50% relative humidity 23°C
Tack Free	6 hrs at 23°C, 50% RH
Application Temperature	+0°C to +30°C
Coating Thickness	2.5mm Nominal, wet coating thickness
Sealant Coverage	2.8kg/m ² , 2.24L/m ²
Fire Resistance	EN 1366-4 EI 60, E 90, E 120 - BS 476 240mins
Insulation	EN 1366-4 120mins
Classification	EN 13501-2
Air Permeability	600 Pa EN 1026 - 100Pa 1.8/1.4 m ³ /h/m ²
Astro Coat Acoustic Isolation with Astro Batt	EN 10140 49dB when installed with 50mm Astro Batt. EN 10140 63dB when installed with 2 x 50mm Astrol Batts & PB insert.
Astro PS Coating Acoustic Isolation with Stone Wool	EN 10140 54dB when installed with 100mm thick 140kg/m ³ stone wool. EN 10140 63dB when installed with 100mm thick 140kg/m ³ stone wool & PB insert.
	50mm Mineral fibre - EI 60 - EN 1366-3 100mm Mineral fibre - EI 120 - EN 1366-3

"see ETA-14/0097 for relevant characteristics"

Astro PS Coating
Installation Specifications
with Mineral Wool

40mm Mineral fibre - 60/30 mins - BS 476
50mm Mineral fibre - 240/120 mins - BS 476
60mm Mineral fibre - 240/140 mins - BS 476
75mm Mineral fibre - 240/120 mins - BS 476
100mm Mineral fibre - 240/180 mins - BS 476
150mm Mineral fibre - 240/240 mins - BS 476

Installation Notes

- Cut mineral fibre / batt to suit the opening.
- Apply coating to cut surface and the mating substrate.
- Assemble mineral fibre / batt into the opening in as few pieces as possible.
- Apply coating to close all visible openings.
- Overcoat mineral fibre with coating to the correct thickness.
- Overcoat service insulation if required to protect or to maintain the seal.
- Maintain record of installation.

Availability

ASTRO COAT and ASTRO PS COATING: Sold per 5 Kilo Tub

To Order & Specify

Please quote:	Quantity	Trade name	Product ref
Typical wording	5	ASTRO COAT	AFBCOAT
	2	ASTRO PS COATING	AFPSCOAT

Fire Test or Assessment Reports

Fire Resistance:
EN 1366-4 EI 60, E 90, E 120 - BS 476 240mins
Insulation EN 1366-4 120mins
Classification EN 13501-2

Acoustic Isolation:
EN 10140 49dB when installed with 50mm Astro Batt.
EN 10140 63dB when installed with 2 x 50mm Astrol Batts & PB insert.with Astro Batt
EN 10140 54dB when installed with 100mm thick 140kg/m³ stone wool.
EN 10140 63dB when installed with 100mm thick 140kg/m³ stone wool & PB insert.

Air Permeability:
600 Pa EN 1026 - 100Pa 1.8/1.4 m³/h/m²

Health and Safety

- Use rubber gloves and eye protection to avoid skin and eye contact.
- Keep out of reach of children.
- Does not emit halogen or other toxic gases when exposed to flame.
- Normal good industrial and personal hygiene practices should be observed.

Environmental Impact

- 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.
Water Tightness.
Noise Reduction.
Thermal Insulation.
Recycling of Packaging.
Avoidance of Air Filtration.
Does not emit halogenated by-products.
Life cycle of over 25 years.

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