

Product Data Sheet

Astro Batt

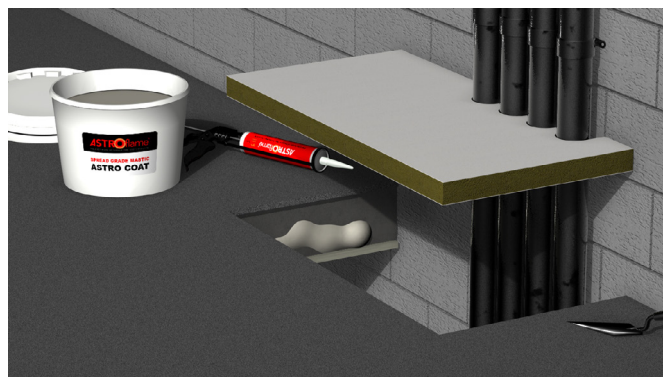
Revision 4 - December 2018



Astro Batt

Fire Resistant Batt

- Fire Resistant Board for sealing service penetrations in walls or floors.
- 50mm or 60mm thickness batt gives 4 hours fire and smoke barrier and up to 2 hours insulation.
- Fire Resistant testing to EN 1366-3:2009 & BS 476 - 240mins.
- Fire Classification to EN 13501-2.
- Air Permeability testing to EN 1026 to 600Pa.
- Acoustic Isolation testing to EN 10140 to 48dB.
- Life expectancy of over 25 years.
- Suitable for indoor use without additional environmental protection.
- Remains flexible between -5°C to +70°C.



Product Description

Specifically designed for sealing around service penetrations in walls and floors, a single Astroflame board (50mm or 60mm thick) can provide high levels of fire integrity and insulation.

Tested in Block Wall, Concrete, Masonry and Plasterboard Partition. Tested in Concrete Floors. Offering up to 4 hours fire resistance in accordance with BS4746: Part 20: 1987. Up to Rw 48dB sound reduction achieved by using two boards.

Astroflame Boards consist of a stone fibre core coated on both sides with Astro Coat which transforms during a fire to prevent the passage of fire and smoke and the transfer of heat. Unaffected by oil, fungus, moisture, vermin, weather and contains no halogens or asbestos.

ASTRO BATT cut edges or joints should be coated with ASTRO COAT or ASTRO MASTIC.



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ETA-14/0099
ETAG 026 – Part 1
ETAG 026 – Part 2
ASTRO BATT
ASTRO COATING
"see ETA-14/0099 for relevant characteristics"

Properties & Specification

Please note specific fire, acoustic & EI Ratings will vary depending on the thickness of batt used and the configuration, please contact us for confirmation.

50mm Thickness Batt	
Dimensions	1200mm x 600mm x 50mm
Stone Fibre Density	140Kg/m ³
Coating Thickness	1mm Nominal, 2.2kg wet film coating
Fire Resistance	4 hours – BS476 pt20/22;BS EN1366-3; BS EN 1363-1 BS EN13501-2
Insulation (Single Batt)	142 minutes on seal face, EI 60, E 90
Insulation (Double Batts)	264 minutes on seal face
Acoustic Performance	Acoustic Reduction up to 48Rw, 61DnTW (Double 50mm Batt) EN10140 Acoustic Reduction of 24Rw, 38DnTW (Single 50mm Batt) EN10140
Air Permeability	600Pa EN 1026 - 100Pa 1.8/1.4 m ³ /h/m ²
Thermal Conductivity (U Value)	0.034 W/mK at 10°C
Maximum Size of Seal	Wall 5.76m ² , Floor 2.88m ²
Maximum Size – Unsupported	2880 x 1440mm (with services) 1200 x 1200mm (no services)
Maximum Size - Plasterboard	2400 x 1200mm
Maximum Size - Unsupported Floor	1600 x 700mm
Mechanical support	30mm x 30mm x 1.6mm steel angle

60mm Thickness Batt	
Dimensions	1200mm x 600mm x 60mm
Stone Fibre Density	160Kg/m ³
Coating Thickness	1mm Nominal, 2.2kg wet film coating
Fire Resistance	4 hours – BS 476 pt20/22 BSEN 1366-3
Insulation (Single Batt)	120 minutes on seal face
Acoustic Performance	44dB mean reduction up to 62.2dB reduction (with one 60mm Fire Batt). 44dB mean reduction up to 65.4dB reduction (with two 60mm Fire Batt)
Mechanical Support Required	30mm x 30mm x 1.6mm steel angle
Thermal Conductivity (U Value)	0.034 W/mK at 10°C
Maximum Size of Seal	Wall 5.76m ² , Floor 2.88m ²
Maximum Size – Unsupported	1.2m x 0.6m (no services)
Mechanical support 1	30mm x 30mm x 1.6mm steel angle
Heat Aging – 336 hrs	No defects at 40°C
Water Vapour Permeability	3.08g/m ² /24 hours

Product Availability

Product Code	Product Description	Size
AFB1200DC50	Astro Batt	600mm x 1200mm x 50mm: 140kgm ³ density.
AFB1200DC60	Astro Batt	600mm x 1200mm x 60mm: 160kgm ³ density.

Fire Test or Assessment Reports

Please refer to the Properties & Specification table.

To Order & Specify

Please contact us and quote the following information - Quantity / Product Code / Product Description / Size
 Typical example:- 20/ AFB1200DC50 / Astro Batt / 600mm x 1200mm x 50mm

>> 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

Fire Test or Assessment Reports

No Power Tools required for installation (no energy source required).
 Dust free.
 Smoke and Air Tightness.
 Noise Reduction.
 Thermal Insulation.
 Recycling of Packaging.
 Avoidance of Air Filtration.
 Core being manufactured in accordance with ISO14001.
 The life cycle of Fire Batts is over 25 years.

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