

# Product Data Sheet

## Astro Flexi-Batt

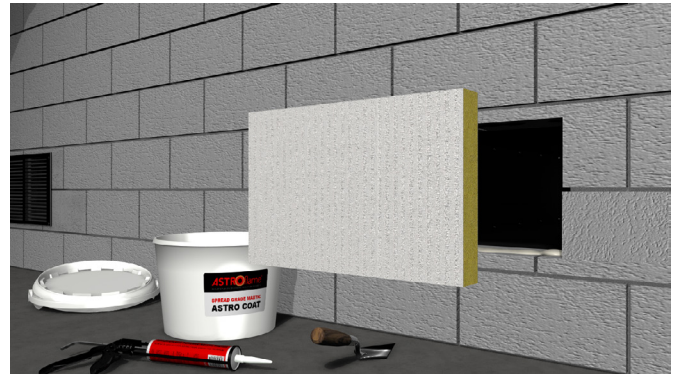
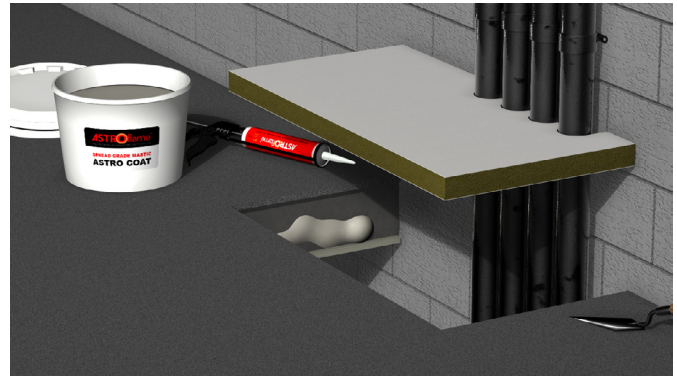
Revision 3 - July 2018



## Astro Flexi-Batt

### Fire Resistant Flexible Board

- Highly Flexible Fire Board / Batt designed to prevent the passage of fire around penetrating services with high movement.
- Joint movement capability of +/- 50% -10 to +95 °C.
- Dynamic movement testing 500 cycles per 30 minutes.
- Accommodates site tolerances due to unique Hi-flex design core construction.
- Idea for Slab Edge Detail.
- Fire resistance testing to EN 1366-3 EI 120, EN 1366-4 EI 120.
- Fire Classification to EN 13501-2.
- Upto 120 mins fire and smoke barrier (2 x 50mm Flexi Batt).
- Acoustic Isolation to EN 10140 to 52dB.
- Air Permeability testing to EN 1026 to 600Pa.
- Water Permeability testing to EN 1027 to 450Pa.
- Can be spray, brush, pour or trowel applied.
- Tested with metallic pipes, cables, cable bunches, cable trays and cable ladders.



### Product Description

Astro Flexi-Batt is designed to prevent the passage of fire and smoke around penetrating services and is ideal for edge of slab detail and linear joints that require high movement. Flexi-Batt permits high lateral and longitudinal movement for penetrating services, facade designs and head of wall installations. Its integral structural support system gives large aperture designs the stability of conventional built-in fire stopping methods.

Astro Flexi-Batt has a low density constructed core coated with ASTRO FLEXI COAT SEAL on both faces. This fire batt remains flexible, with a movement capability of +/- 50% from -10 °C to +95 °C, to permit thermal and mechanical movement of services. Causes no known effects to plastic pipes, plastic cables, sheathing or metallic components. Ideal for slab edge applications, head of wall and movement installations.

Unaffected by oil, fungus, moisture, vermin, weather and contains no halogens or asbestos.



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ETA- 14/0048  
ETAG 026 - Part 1  
ETAG 026 - Part 3  
ASTRO FLEXI-BATT

"see ETA-14/0048 for relevant characteristics"

### Properties & Specification

| 50mm Thickness Batt     |   |
|-------------------------|---|
| Board Dimensions        | <b>1000mm x 600mm x 50mm</b>                                    |
| Colour                  | White   |
| Board Density           | Nominal - 80Kg/m <sup>3</sup>                                   |
| Coating Density         | 1.25 – 1.3 g/cm <sup>3</sup>                                    |
| Tack Free               | 6hrs at 23°C, 50% RH  |
| Application Temperature | +0°C to +30°C   |
| Coating Thickness       | 1mm Nominal, wet coating thickness                              |
| Fire Resistance         | EN 1366-3 EI 120 / EN 1366-4 EI 120                             |
| Insulation              | EN 1366-4 EI 120mins (2 x50mm)                                  |
| Classification          | EN 13501-2  |
| Acoustic Isolation      | EN 10140 43dB when installed with 2 x 50mm Board.               |
| Air Permeability        | 600 Pa EN 1026 - 100Pa 0.4/1.5 m <sup>3</sup> /h/m <sup>2</sup> |
| Water Permeability      | 450 Pa EN 1027 - No Leakage                                     |
| Movement                | 500 cycles per 30 mins - 50% expansion and compression          |
| Applications            | Plasterboard / Masonry / Within Astro Batt                      |
| Services                | Cables / Cable Trays / Cable Bunches / Metallic Pipes           |
| Product Life Cycle      | 25 Years  |

### Installation Notes

Cut fire board slightly oversize so that the board can be compressed into the gap.

Coat substrate, services and slab edges with ASTRO FLEXI COAT SEAL.

For service penetration installations - assemble board in to the opening, ensuring a compressed fit in to the substrate aperture and around the services.

For slab edge installations - assemble board in to the opening, using 'Z' bracket in slab edge detail where required (if void is wider than 250mm).

Apply ASTRO FLEXI COAT SEAL to close any visible openings. Maintain record of installation.

### Product Availability

| Product Code | Product Description | Size   |
|--------------|---------------------|--|
| AFB1000DCFB  | Astro Flexi-Batt    | 600mm x 1000mm x 50mm: 80kgm <sup>3</sup> density. |

### Fire Test or Assessment Reports

- Fire Resistance EN 1366-3 EI 120 / EN 1366-4 EI 120
- Insulation EN 1366-3 EI 60 (1 x Board) / EN 1366-4 EI 120mins (2 x Board)
- Classification EN 13501-2
- Acoustic Isolation EN 10140 43dB when installed with 2 x 50mm Board.
- EN 10140 52dB when installed with 2 x 100mm Board.
- Air Permeability 600 Pa EN 1026 - 100Pa 0.4/1.5 m<sup>3</sup>/h/m<sup>2</sup>
- Water Permeability 450 Pa EN 1027 - No Leakage
- Movement 500 cycles per 30 mins - 50% expansion and compression

### To Order & Specify

Please contact us and quote the following information - Quantity / Product Code / Product Description / Size  
Typical example:- 20 / AFB1000DCFB / Astro Flexi-Batt / 600mm x 1000mm x 50mm

>> Tel: [01329 844 500](tel:01329844500) or >> Email: [sales@astroflame.com](mailto: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](mailto: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](mailto:sales@astroflame.com)

### Fire Test or Assessment Reports

Low VOC (air quality).  
No Power Tools required for installation (no energy source required).  
Dust free.  
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 asbestos.  
Contains no raw materials known to have an estrogenic effect.  
Life cycle of Flexi-Batt is over 25 years.

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