

## Trade Name: 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.

60 mins fire and smoke barrier (1 x 50mm Flexi-Batt)

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.

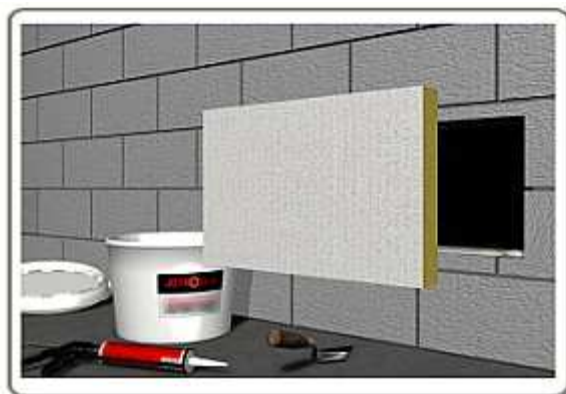
Water Permeability testing to EN 1027 to 450Pa.

Can be spray, brush, pour or trowel applied.

Tested with metallic pipes, cables, cable bunches, cable trays and cable ladders.

### 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.



Certifire 3rd Party Accreditation.

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.

## Properties and Specification

Board Dimensions	1000mm x 600mm x 50mm
Colour	White
Board Density	Nominal - 80Kg/m <sup>3</sup>
Coating Density	1.25 - 1.3 g/cm <sup>3</sup>
Cure Rate	0.5mm per day at 50% relative humidity 23°C
Tack Free	6hrs at 23°C, 50% RH
Application Temperature	+0°C to +30°C
Coating Thickness	2.5mm Nominal, wet coating thickness
Coating Coverage	2.8kg/m <sup>2</sup> , 2.24L/m <sup>2</sup>
Fire Resistance	EN 1366-3 EI 120 / EN 1366-4 EI 120
Insulation	EN 1366-3 EI 60 (1x 50mm) / 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 Stopseal Batt
Services	Cables / Cable Trays / Cable Bunches / Metallic Pipes
Product Life Cycle	25 Years
Shelf Life	60 Months

## 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.

## Availability

ASTRO FLEXI- BATT : 600mm x 1000mm x 50mm: 80kgm<sup>3</sup> density.

## To Order & Specify

FLEXI - BATT

Please quote- Quantity / Trade name / Product ref / Description

Typical wording

20/ ASTRO FLEXI-BATT / AFB1000DCFB / 1000x600x50

## 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

## Health and Safety

We recommend that installer use rubber gloves and eye protection to avoid skin and eye contact when cutting the boards as the dust produced is an irritant. Do not ingest. .Keep out of reach of children.

Normal good industrial and personal hygiene practices should be observed.

Does not emit halogen or other toxic gases when exposed to flame.

## 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.

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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