DECLARATION OF PERFORMANCE

ASTRO®

PFP FR BOARDS UKCA: 0843-CPR-1315 | CE: 2531-CPR-CXO10146

1. Unique identification code of the product-type:

Astro PFP FR Boards

2. Type, batch or serial no. or any other element allowing identification of the construction product as required pursuant to article 11(4):

See packaging for batch no.

2.1. Astro PFP FR Boards is supplied in 600mm x 1200mm boards. The Astro PFP FR Boards is supplied in a multitude of board thicknesses and is coated on one face, referenced 1-S, or on both faces, referenced 2-S.

2.2. In accordance with article 11(4) all products are supplied with product code, date of manufacture and with all manufacturing processes traceable through Astroflame's factory production controls (FPC) held in the product technical files.

3. Specification of the intended uses of the product in accordance with the applicable European Assessment Document: EAD 350454-00-1104, 01-03-2021 (penetration seals).

3.1 The intended use of Astro PFP FR Board is to reinstate the fire resistance performance of flexible wall, rigid wall, timber wall and floor constructions where they are penetrated by various cables, trays, metallic pipes, composite pipes, plastic pipes and conduits, or, in linear seals.

3.2 The specific elements of construction that the system Astro PFP FR Board may be used to provide a penetration seal in, are as follows, unless otherwise stated in the following country document approvals:

- UK use only, 0843-UKTA-23/0023
- EU use only, ETA - 21/0029

Flexible walls: The wall must have a minimum thickness of 75 mm and comprise steel studs lined on both faces with minimum 1 layer of 12.5 mm thick boards [1)].

Timber walls: The wall must have a minimum thickness of 100 mm and comprise solid wood or cross-laminated timber.

Rigid walls: The wall must have a minimum thickness of 75 mm and comprise concrete, aerated concrete or masonry, with a minimum density of 650 kg/m3 [1)].

Rigid floors: The floor must have a minimum thickness of 150 mm and comprise aerated concrete or concrete with a minimum density of 650 kg/m3.

Timber floors: The floor must have a minimum thickness of 150 mm and comprise solid wood or cross-laminated timber.

The supporting construction must be classified in accordance with EN 13501-2 for the required fire resistance period.

[1)] Minimum wall thickness is dependent on approvals specified in the UKTAs and ETAs Annex A.

3.3 The System Astro PFP FR Board may be used to provide a penetration seal with cables, cable trays, metallic pipes, composite pipes, conduits and plastic pipes, with and without insulation. The total amount of cross sections of services (including insulation) should not exceed 60% of the penetration area. The system Astro PFP FR Board may be used to seal apertures in the separating element of unlimited width by 1200mm high in a wall (uninterrupted separating studs will be required at 2400 mm centres or less in flexible walls), and 2400mm by 1200 mm in a floor. The minimum permitted separation between adjacent seals/apertures is 200mm. Services should be a minimum of 25mm from seal edges. Services within the system Astro PFP FR Board seal do not require a minimum separation, except where pipe wraps are used which must be a minimum of 30 mm from other services in the aperture. Services in floors should be supported at maximum 450 mm from the top face. Services in walls should be supported at maximum 270 mm from both faces of the wall. For details refer to the country document approvals:

- UK use only, 0843-UKTA-23/0023
- EU use only, ETA - 21/0029

3.4 The provisions made in this DoP are based on an assumed working life of the Astro PFP FR Board of 10 years, however provided that the conditions laid down in the manufacturers' instructions and datasheet for the packaging/transport/ storage/installation/use/repair are met the assumed working life for Astro PFP FR Board is 25 years. The indications given on the working life cannot be interpreted as a guarantee given by the producer, but are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.

3.5 Type Y1: intended for use at temperatures below 0°C with exposure to UV and moisture but no exposure to rain. Includes lower classes Y2, Z1, Z2.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to article 11(5):

Astroflame (Fire Seals) Ltd.
Intumescent House
Unit 8, The IO Centre,
Stephenson Road, Segensworth
Fareham, England PO15 5RU

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5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):

Not applicable

6. System or systems of assessment and verification of consistency of performance of the construction product as set out in annex V:

AVCP-System 1

7. In case of the declaration of performance concerning a construction product covered by a harmonized standard:

Not applicable

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment or United Kingdom Technical Assessment has been issued:

This Declaration of Performance has been prepared in accordance with the guidelines set out within EAD 350454-00-1104 penetration seals.

UK use only
- UKTA - 0843-UKTA-23/0023 prepared by UL
- UKCA - 0843-CPR-1315 prepared by UL

EU use only
- ETA - 21/0029 prepared by ETA
- CoC 2531-CPR-CXO10146 prepared by DBI Certification, notified body No. 2531

9. Declared performance:

Product type: **PFP FR Board**	Intended use: **Fire Stopping Seal**	
Essential characteristics	**Performance**	**Harmonised Technical Specification or Test Standard**
Reaction to Fire	D -s1 – d0	EN 13501-1
Resistance to Fire	UK - 0843-UKTA-23/0023 - Annex A EU - ETA 21/0029 - Annex A	EN 13501-2
Air permeability (material property)	UK - 0843-UKTA-23/0023 - Annex B EU - ETA 21/0029 - Annex B	EN 1026
Water permeability (material property)	NPD	EAD 350454-00-1104, Annex C
Release of dangerous substances	Complies to multiple protocols, see Technical Datasheet	EN 16516
Mechanical Resistance and stability	NPD	EOTA TR 001:2003
Resistance to impact/movement	NPD	EOTA TR 001:2003
Adhesion	NPD	EOTA TR 001:2003
Airborne sound insulation	UK - 0843-UKTA-23/0023 Section 3 EU - ETA 21/0029 Section 3	EN 10140-1,2,4,5 EN ISO 717-1
Impact sound insulation	NPD	EN 10140-3
Thermal properties	NPD	EN 12664, EN12667, EN12939
Water vapor permeability	NPD	EN ISO 12572, EN 12086
Durability and serviceability	Y_2	EAD 350454-00-1104, Clause 2.2.9

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10. The performance of the product identified in points 1 and 2 is in conformity with the performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed on the behalf of the manufacturer by:

P.Kieser - Managing Director 30/01/2024 **(Place of signature : Segensworth Fareham)** **C.Dickens - Technical Managing 30/01/2024**

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