

**ASTRO®****PFP FR EX MORTAR****2531-CPR-CXO10145**

1. Unique identification code of the product-type:

**Astro PFP FR EX Mortar**

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 number**

2.1. Astro PFP FR EX Mortar is supplied in 20 litre bags.

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 (Hereinafter EAD): EAD 350454-00-1104 (penetration seals).

3.1 The intended use of Astro PFP FR EX Mortar is to reinstate the fire resistance performance of flexible walls, rigid walls and floor constructions where they are penetrated by various cables, trays, conduits, metallic and plastic pipes with and without insulation.

3.2 The specific elements of construction that the system Astro PFP FR EX Mortar may be used to provide a penetration seal in, are as follows:

- Flexible walls: The wall must have a minimum thickness of 100 mm and comprise steel studs lined on both faces with minimum 2 layers of 12.5 mm thick boards.
- Rigid walls: The wall must have a minimum thickness of 100 mm (unless otherwise stated in ETA 21/0028) and comprise concrete, aerated concrete or masonry, with a minimum density of 650 kg/m<sup>3</sup>.
- Rigid floors: The floor must have a minimum thickness of 100 mm and comprise aerated concrete or concrete with a minimum density of 650 kg/m<sup>3</sup>.

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

3.3 The System Astro PFP FR EX Mortar may be used to provide a penetration seal with cables, cable trays, conduits, plastic pipes and metallic pipes with and without insulation (for details see ETA 21/0028 Annex A). The system Astro PFP FR EX Mortar may be used to seal apertures in the separating element up to 2400mm wide by 1200mm high in a wall, and 2400mm by 1200 mm in a floor (for additional sizes see ETA 21/0028 Annex A). The minimum permitted separation between adjacent seals/apertures is 200mm. Services within the system Astro PFP FR EX Mortar seal do not require a minimum separation, except where specifically detailed in ETA 21/0028 Annex A. Services in floors should be supported at maximum 500 mm from the top face. Services in walls should be supported at maximum 300 mm from both faces of the wall.

3.4 The provisions made in the European Technical Assessment (21/0028) are based on an assumed working life of the Astro PFP FR EX Mortar of 30 years, provided that the conditions laid down in the manufacturer's datasheet and instructions for the packaging/transport/ storage/ installation/use/repair are met. 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 Z<sub>2</sub>: Intended for uses in internal conditions with humidity lower than 85 % RH excluding temperatures below 0 °C, without exposure to rain or UV.

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

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 has been issued:

This Declaration of Performance has been prepared in accordance with the guidelines set out within EAD 350454-00-1104, September 2017 (penetration seals).

ETA 21/0028 issued on 09/12/2022 prepared by ETA-Danmark A/S.

CoC 2531-CPR-CXO10145 issued on 10/06/2022 prepared by DBI Certification, notified body No. 2531.

**DECLARATION OF PERFORMANCE**

Construction Product Regulation (EU) 305 2011

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9. Declared performance:

Product –type: Mortar	Intended use: Fire stopping penetration seal	
<b>Essential characteristics</b>	<b>Performance</b>	<b>Test Standard</b>
Reaction to Fire	Class A1	EN 13501-1
Resistance to Fire	ETA - 21/0028 Annex A	EN 13501-2
Air permeability (material property)	ETA - 21/0028 Annex B	EN 1026
Water permeability (material property)	NPD	EAD 350454-00-1104 Annex C
Release of dangerous substances	Use categories: IA1, S/W2 As the manufacturer declare that Astro FR EX Mortar is compliant with the requirements of current EU legislation on material safety. See safety data sheets.	
Mechanical Resistance and stability	Suitable for use in walls and floors in Zone Types I, II, III & IV*	EOTA TR 001:2003
Adhesion	<b>Hard body impact-</b> Serviceability 6Nm (pass), Safety in use 10Nm (pass)	EOTA TR 001:2003
Resistance to impact/movement	<b>Soft body impact-</b> Serviceability 500Nm (pass) Safety in use 700Nm (pass)	EOTA TR 001:2003
Airborne sound insulation	Rw 48 (-1;-3) dB	EN 10140-2
Thermal properties	NPD	EN 12664, EN12667, or EN12939
Water vapour permeability	NPD	EN ISO 12572, EN 12086
Durability and serviceability	Z <sub>2</sub>	ISO 8339:2005, ISO 9046:2004 & ISO 7389

\*At dimensions up to those given in 3.3 and with soft and hard body impact

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 16/11/2022

(Place of signature : Segensworth Fareham)

C.Dickens - Technical Managing 16/11/2022