

Declaration of Performance

No.: **PS-16014**

1. Unique identification code of the product-type:

Protecta[®] FR Coating

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 Protecta FR Coating is supplied in eight litre pails (alternative quantities maybe available upon request)

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 Polyseam'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, September 2017 (penetration seals) and EAD 350141-00-1106 (linear joint seals).

3.1 The intended use of Protecta FR Coating in conjunction with the specified stonewool mineral fibre boards and wool is to reinstate the fire resistance performance of gaps and joints in and between rigid wall and floor constructions and to reinstate the fire resistance performance of flexible wall construction, rigid wall constructions and rigid floor constructions where they are penetrated by various cables, cable trays, metallic pipes, composite pipes and plastic pipes with and without insulation.

3.2 The specific elements of construction that the system Protecta FR Coating may be used to provide a penetration and linear joint seal in, are as follows:

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 (unless otherwise stated in ETA 21/0032 and 21/0033 Annex A)

Rigid walls: The wall must have a minimum thickness of 75 mm (unless otherwise stated in ETA 21/0032 and 21/0033 Annex A) and comprise concrete, aerated concrete or masonry, with a minimum density of 650 kg/m³.

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.

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

3.2 The System Protecta FR Coating may be used to provide a penetration seal with cables, cable trays, metallic pipes, composite pipes and plastic pipes, with and without insulation (for details see ETA 21/0033 Annex A). The total amount of cross sections of services (including insulation) should not exceed 60% of the penetration area. The system Protecta 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 Protecta FR Board seal do not require a minimum separation, except where pipe wraps are used which should be a minimum of 30 mm from other services in the aperture. 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.

3.3 The provisions made in the European Technical Assessments (21/0032 & 21/0033) are based on an assumed working life of the Protecta FR Coating of 25 years, provided that the conditions laid down in the product datasheet 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.

3.4 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):

Polyseam Ltd.
15 St Andrews Road
Huddersfield
West Yorkshire
HD1 6SB
United Kingdom

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 350141-00-1106, linear joint seals and EAD 350454-00-1104 penetration seals.

ETA 21/0032 issued on 1/1/2021 and ETA 21/0033 issued on 1/1/2021 prepared by ETA-Danmark A/S.
CoC 2531-CPR-CXO10137 issued on 3/3/2021 prepared by DBI Certification, notified body No. 2531.

9. Declared performance:

Product –type: Coating	Intended use: Linear and Penetration Seal	
Essential characteristics	Performance	Test Standard
Reaction to Fire	D – s1, d0	EN 13501-1
Resistance to Fire	ETA 21/0032 & 21/0033 Annex A	EN 13501-2
Air permeability (material property)	ETA 21/0047 Annex B	EN 1026
Water permeability (material property)	NPD	EAD 350454-00-1104, Annex C
Release of dangerous substances	Complies to multiple protocols, see TD	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/ISO 11600
Airborne sound insulation	ETA 21/0047 section 3	EN 10140-1,2,4,5/EN ISO 717-1
Impact sound insulation	NPN	EN 10140-3
Thermal properties	NPD	EN 12664, EN12667, or EN12939
Water vapour permeability	NPD	EN ISO 12572, EN 12086
Durability and serviceability	Y ₁	EAD 350454-00-1104, Clause 2.2.9

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:

Kjetil Bogstad, Director
(name and function)

London, 09.03.2021
Place and date of issue


Signature
