

Declaration of Performance

No.: **PS-14014 (2)**

1. Unique identification code of the product-type:

Protecta FR ASF

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

2.1 Protecta FR ASF is supplied in 310ml cartridges and 600ml foils tubes.

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. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer, and in accordance with the applicable European Assessment Document (Hereinafter EAD): ETAG 026-2 (penetration seal) and ETAG 026-3 (linear joint and gap seal):

3.1 The intended use of system Protecta FR ASF is to reinstate the fire resistance performance of gaps in and joints in and between flexible wall and rigid wall constructions, gaps in and joints between rigid floor constructions and to reinstate the fire resistance performance of flexible wall constructions, ridged wall construction and ridged floor construction where they are penetrated by various metal pipe services with and without combustible insulation, plastic pipes and single electrical cables.

3.2 The specific elements of construction that the system Protecta FR ASF may be used to provide a gap joint and penetration seals 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 150 mm 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.

3.3 The system Protecta FR ASF may be used to provide a penetration seal with specific, uninsulated metal pipes, plastic pipes and single electrical cables and can be used to provide linear and gap seal with specific supporting construction and substrates (for details see ETA 13/1072 and 13/1073 Annex A).

The maximum permitted joint/gap width for system Protecta FR ASF is 100 mm.

The maximum movement capability of system Protecta FR ASF is $\leq 7.5\%$

Pipes shall be supported at maximum 180 mm away from both faces of the wall constructions and from the upper face of floor constructions.

3.4 The provisions made in this DOP are based on an assumed working life of the Protecta FR ASF of 10 years, provided that the conditions laid down in sections 4.2/5.1/5.2 for the packaging/transport/storage/installation/use/repair are met the assumed working life for Protecta FR ASF for internal conditions without exposed to UV or moisture is 30 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.

Type Z2: 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):

Polyseam Ltd.
Shaw Park
Silver Street
Huddersfield
West Yorkshire
United Kingdom
HD5 9AF

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 ETAG 026 part 1(general), 2 (penetration seals), and 3 (linear joint and gap seals).

ETA 13/1072 and ETA13/1073 prepared by UL International (UK) Ltd notified body 0843
EC Certificate of conformity 0843-CPR-0165

9. Declared performance:

Product –type: Sealant		Intended use: Linear Joint & Gap Seal	
Essential characteristics	Performance	Test Standard	
Reaction to Fire	NPD	EN 13501-1	
Resistance to Fire	ETA 13/1072, ETA 13/1073 Annex A	EN 13501-2	
Air permeability (material property)	NPD	EN 1026:2000	
Water permeability (material property)	Not water proof (NPD)	ETAG 026-2/3 Annex C	
Release of dangerous substances	As the manufacture we declare that there is no release of dangerous substances during the installation or use of this product. VOC ≤2.5g/litre.		
Mechanical Resistance and stability	NPD	EOTA TR 001:2003	
Resistance to impact/movement	NPD	EOTA TR 001:2003	
Airborne sound insulation	NPD	EN 10140-2	
Impact sound insulation	NPD	EN 10140-3	
Thermal properties	NPD	EN 12664, EN12667, or EN12939	
Water vapour permeability	NPD	EN ISO 12572, EN 12086	
Durability and serviceability	Z ₂	ISO 8339:2005, ISO 9046:2004 & ISO 7389	
Tensile Properties	Elongation at break ≥ 100% @ 23°C, M2 Mortar	ETAG 026 pt2 B.13.5 ISO 8339:2005	
Elastic recovery	7.5% Elongation 33% recovery, M2 Mortar	ETAG 026 pt2 B.13.5 ISO 7389:2003	
Adhesion properties	No failure, M2 Mortar	ETAG 026 pt2 B.13.5 ISO 9046:2005	

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, CEO

(name and function)

London, 25.06.2014

Place and date of issue



Signature