

Declaration of Performance

No.: **PS-14010 (7)**

Protecta FR Acrylic

1. Unique identification code of the product-type:
Protecta FR Acrylic
2. Type, batch or serial no. or any other element allowing identification of the construction product as required pursuant to article 11(4):

See label for batch number

- 2.1 Protecta FR Acrylic is supplied in 310ml cartridges, 380ml cartridges and 600ml foils.
- 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): EAD 350454-00-1104 (penetration seals) and ETAG026-3 (linear joint seals):
 - 3.1 The intended use of system Protecta FR Acrylic 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, rigid wall constructions and rigid floor constructions where they are penetrated by various metal pipe services with and without combustible insulation, plastic pipes and electrical cables.
 - 3.2 The specific elements of construction that the system Protecta FR Acrylic may be used to provide a gap or joint seal or penetration seal in, are as follows:

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

Rigid walls: The wall must have a minimum thickness of 75mm 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.

* minimum wall thickness is dependent on approvals specified in ETA 13/0879 and ETA 18/0904 Annex A.

3.3 The system Protecta FR Acrylic may be used to provide a penetration seal with specific single insulated metal pipes, uninsulated metal pipes, plastic pipes and with specific electrical cables, single or in a bundle and may also be used to provide a linear joint or gap seal with specific supporting constructions and substrates (for details see ETA 13/0879 and ETA 18/0904 Annex A).

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

The maximum movement capability of system Protecta FR Acrylic is $\leq 12.5\%$

Pipes shall be supported at maximum 350 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 Acrylic 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 Protecta FR Acrylic 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.

3.5 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.
15 St Andrews Road
Huddersfield
West Yorkshire
HD1 6SB
United Kingdom

5. Where applicable, name and contact address of the authorized representative whose mandate cover 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 and 3 (linear joint, gap seals and penetration seals).

ETA 13/0879 issued on 17/11/2017 and ETA 18/0904* issued on 20/05/2019 prepared by UL International (UK) Ltd notified body 0843 EC Certificate of conformity 0843-CPD-0139.

*ETA 18/0904 supersedes ETA 13/0880

9. Declared performance:

Product –type: Intumescent sealant	Intended use: Linear Joint & Gap Seal, Penetration Seal	
Essential characteristics	Performance	Test Standard
Reaction to Fire	D-S1-d1	EN 13501-1
Resistance to Fire	ETA 13/0879 and ETA18/0904 Annex A	EN 13501-2
Air permeability (material property)	NPD	EN 1026:2000
Water permeability	Not water proof	ETAG 026-3 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. See safety data sheets	
Mechanical Resistance and stability	NPD	EOTA TR 001:2003
Resistance to impact/movement	NPD	EOTA TR 001:2003
Airborne sound insulation	Rw = 62dB @ 12mm depth single sided w/o backing	EN 10140-2
Impact sound insulation	NPD	EN 10140-3
Thermal properties	0,0845 W/mK (+/- 3%) @ 20mm depth	EN 12664, EN12667, or EN12939
Water vapor 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	ETAG 026 pt2 B.13.5 ISO 8339:2005
Elastic recovery	7.5% Elongation 50% 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:

Neil Heffernan, Product Certification Manager
(name and function)

London, 28.06.2019
Place and date of issue



Signature