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Declaration of Performance

No.: **PS-14010**

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 packaging for batch no.

2.1 Protecta FR Acrylic is supplied in 300ml foils, 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: EAD 350454-00-1104 (penetration seals) and EAD 350141-00-1106 (linear joint seals):

3.1 The intended use of system Protecta FR Acrylic is to reinstate the fire resistance performance of gaps, joints and penetrating services in and between flexible, timber and rigid wall constructions, and rigid, composite and timber floor constructions, including between timber door/window, aluminium/steel frames and substrates.

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, unless otherwise stated in the following country document approvals:

- UK use only, 0843-UKTA-22/0031 and 0843-UKTA-22/0032
- EU use only, ETA 22/0735 and ETA 23/0257

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 [2)] 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 ETAs Annex A.
[2)] Composite floors can be thinner, please refer to the installation instructions.

3.3 The system Protecta FR Acrylic may be used to provide a penetration seal with specific single insulated and uninsulated metal and plastic pipes, and with specific electrical cables and conduits, 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 refer to the country document approvals:

- UK use only, 0843-UKTA-22/0031 and 0843-UKTA-22/0032
- EU use only, ETA 22/0735 and ETA 23/0257

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

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

Services in floors should be supported at maximum 550 mm from the top face. Services in walls should be supported at maximum 350 mm from both faces of the wall.

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 Z_2: intended for use for 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 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 and EAD 350141-00-1106 linear joint seals.

UK use only - UKTA - 0843-UKTA-22/0031 issued on 21/12/2022 prepared by UL
- UKTA - 0843-UKTA-22/0032 issued on 20/12/2022 prepared by UL
- UKCA - 0843-CPR-1226 issued on 20/12/2022 prepared by UL

EU use only - ETA 22/0735 issued on 27/04/2023 prepared by UL
- ETA 23/0257issued on 25/04/2023 prepared by UL
- CoC 2531-CPR-CXO10129 issued on 03/03/2021 prepared by DBI Certification, notified body No. 2531

9. Declared performance:

Product type: **FR Acrylic**	Intended use: **Linear Joint & Gap Seal and Penetration Seal**	
Essential characteristics	**Performance**	**Harmonised Technical Specification or Test Standard**
Reaction to Fire	B -s1 – d0	EN 13501-1
Resistance to Fire	UK - 0843-UKTA-22/0031 and - 0843/UKTA-22/0032 - Annex A EU - ETA 22/0735 and - ETA 23/0257 - Annex A	EN 13501-2
Air permeability	UK - 0843-UKTA-22/0031 - Annex B EU - ETA 23/0257 - Annex B	EN 1026
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, EN12939
Water vapour permeability	NPD	EN ISO 12572, EN 12086
Durability and serviceability	Z_2	ISO 8339:2005, ISO 9046:2004, ISO7389
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	No failure, M2 Mortar	EOTA TR 001:2003

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:

Name: Paul Ramage

Function: Technical Manager

Place of Issue: Huddersfield, England

Date of Issue: 22nd May 2023

Signature: