

Declaration of Performance

No.: **PS-14011**

1. Unique identification code of the product-type:

Protecta® FR Collar

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.

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):

- 3.1 The intended use of system Protecta FR Collar is to reinstate the fire resistance performance of flexible and rigid wall, and floor constructions where they are penetrated by various services.

- 3.2 The specific elements of construction that the system Protecta FR Collar may be used to provide a penetration seal in, are as follows, unless otherwise stated in the following country document approvals:

- UK use only, 0843-UKTA-22/0026
- EU use only, ETA 22/0752

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 UKTA's and ETAs, Annex A.

²⁾ Composite floors can be thinner, please refer to the installation instructions.

- 3.3 The system Protecta FR Collar may be used to provide a penetration seal with various services. For details refer to the country document approvals:

- UK use only, 0843-UKTA-22/0026
- EU use only, ETA 22/0752

- 3.4 The provisions made in this DoP are based on an assumed working life of the Protecta FR Collar 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 Collar 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 use for internal conditions with humidity classes other than Z₁, excluding temperatures below 0 °C.
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.

UK use only - UKTA - 0843-UKTA-22/0026 prepared by UL
- UKCA - 0843-CPR-1222 prepared by UL

EU use only - ETA 22/0752 prepared by ETA-Danmark A/S
- CoC 2531-CPR-CXO10135 prepared by DBI Certification, notified body No. 2531

9. Declared performance:

| Product type: FR Collar | Intended use: Linear Joint & Gap Seal and Penetration Seal | |
|-------------------------------------|---|--|
| Essential characteristics | Performance | Harmonised Technical Specification or Test Standard |
| Reaction to Fire | N/A | EN 13501-1 |
| Resistance to Fire | UK - 0843-UKTA-22/0026 - Annex A EU - ETA 22/0752 - Annex A | EN 13501-2 |
| Air permeability | UK - 0843-UKTA-22/0026 - Annex B EU - ETA 22/0752 - Annex B | EN 1026 |
| Water permeability | NPD | ETAG 026-3, Annex C |
| Release of dangerous substances | As the manufacture we declare that the Protecta FR Collar is compliant with the requirements of current UK and EU legislation on material safety. See safety data sheets. | |
| Mechanical Resistance and stability | NPD | EOTA TR 001:2003 |
| Resistance to impact/movement | NPD | EOTA TR 001:2003 |
| Adhesion | NPD | EOTA TR 001:2003 |
| Airborne sound insulation | R _w (C;Ctr) = 58 (0;-3) dB *) | EN 10140-2 |
| Impact sound insulation | NPD | EN 10140-3 |
| Thermal properties | NPD | EN 12664, EN12667, EN12939 |
| Water vapour permeability | NPD | EN ISO 12572, EN 12086 |
| Durability and serviceability | Z ₂ | ISO 8339:2005 |

*) Tested as single sided collar with 160mm x 3.2 w/t PVC pipe (worst case principle)

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: 14th July 2023

Signature: 