

Declaration of Performance

No.: PS-14015

1. Unique identification code of the product-type:

Protecta® FR Pipe Wrap

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 Pipe Wrap is supplied in 50mm and 75mm widths of 1.8mm thick strips.
- 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).
- 3.1 The intended use of system Protecta FR Pipe Wrap is to reinstate fire resistance performance of flexible wall constructions, rigid wall construction and rigid floor construction where they are penetrated by various plastic and metal pipe services with and without combustible insulation when used in combination with Protecta EX Mortar and Protecta FR Board.
- 3.2 The specific elements of construction that the system Protecta FR Pipe Wrap may be used to provide a penetration seal in, are as follows, unless otherwise stated in the following country document approvals:
- UK use only, ETA 21/0039, 0843-UKTA-22/0025 and 0843-UKTA-22/0033
 - EU use only, ETA 21/0039, ETA 22/0733 and ETA 22/0748

Flexible walls: The wall must have a minimum thickness of 75mm 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 100mm and comprise solid wood or cross-laminated timber.

Rigid walls: The wall must have a minimum thickness of 150mm 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 150mm 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.

¹⁾ Minimum wall thickness is dependent on approvals specified in the ETA's Annex A.

- 3.3 The System Protecta FR Pipe Wrap may be used to provide a penetration seal with specific insulated metal pipes and uninsulated or insulated plastic pipes specific supporting construction and substrates. Services in floors should be supported at maximum 500mm from the top face. Services in walls should be supported at maximum 300mm from both faces of the wall. For details refer to the country document approvals:
- UK use only, ETA 21/0039, 0843-UKTA-22/0025 and 0843-UKTA-22/0033
 - EU use only, ETA 21/0039, ETA 22/0733 and ETA 22/0748
- 3.4 The provisions made in this DoP are based on an assumed working life of the Protecta FR Board 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 Board 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 X: Intended for Internal and external use in conditions exposed to weathering. When used in combination with Protecta FR Board or Protecta EX Mortar the intended uses is limited to 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:

This Declaration of Performance has been prepared in accordance with the guidelines set out within EAD 350454-00-1104 penetration seals.

UK and EU use only - ETA 21/0039 prepared by ETA Danmark
 - ETA 22/0733 prepared by UL
 - ETA 22/0748 prepared by UL
 - 0843-UKTA-22/0025 prepared by UL
 - 0843-UKTA-22/0033 prepared by UL
 - CoC 2531-CPR-CXO10134 prepared by DBI Certification, notified body No. 2531

9. Declared performance:

Product type: FR Pipe Wrap	Intended use: Penetration Seal	
Essential characteristics	Performance	Test Standard
Reaction to Fire	Not Applicable see: UK - 0843-UKTA-22/0025 and - 0843/UKTA-22/0033 - Annex A EU - ETA 22/0733 and - ETA 22/0748 - Annex A	EN 13501-1
Resistance to Fire	UK - 0843-UKTA-22/0025 and - 0843/UKTA-22/0033 - Annex A EU - ETA 22/0733 and - ETA 22/0748 - Annex A	EN 13501-2
Air permeability (material property)	Not Applicable see: UK - 0843-UKTA-22/0025 and - 0843/UKTA-22/0033 - Annex A EU - ETA 22/0733 and - ETA 22/0748 - Annex A	EN 1026
Water permeability (material property)	NPD	ETAG 026 Part 2 – 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	Not Applicable	EOTA TR 001:2003
Resistance to impact/movement	Not Applicable	EOTA TR 001:2003

Airborne sound insulation	Not Applicable see: UK - 0843-UKTA-22/0025 and - 0843/UKTA-22/0033 - Annex A EU - ETA 22/0733 and - ETA 22/0748 - Annex A	EN 10140-2
Impact sound insulation	Not Applicable	EN 10140-3
Thermal properties	NPD	EN 12664, EN12667, EN12939
Water vapour permeability	NPD	EN ISO 12572, EN 12086
Durability and serviceability	X	ISO 8339, ISO 9046, ISO 7389

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: 30th May 2024

Signature: 