

## Declaration of Performance

No: **PS-14015**

### **Protecta® FR Pipe Wrap**

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 label for batch number**

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. 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).

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 seals in Protecta EX mortar and Protecta FR Boards, are as follows:

Flexible walls: The wall must have a minimum thickness of 75 mm and comprise 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 75 mm and comprise concrete, aerated concrete or masonry, with a minimum density of 650 kg/m<sup>3</sup> \*)

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

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/m<sup>3</sup>.

The supporting construction must be classified to EN 13501-2 for the required fire resistance period.

\*) Minimum wall thickness is dependent on approvals specified in ETA 21/0039, 21/0071 and 21/0047.

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 (for details see ETA 21/0039, 21/0071 and 21/0047 Annex A). Services in floors should be supported at maximum 500 mm from the top face. Services in walls should be supported at maximum 300 mm from both faces of the wall.

3.4 The provisions made in the European Technical Assessment (ETA 21/0039) are based on an assumed working life of the Protecta FR Pipe Wrap 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 of Protecta FR Pipe Wrap 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 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 5SB  
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 has been issued:

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

ETA 21/0039 issued on 1/1/2021, ETA 21/0071 issued on 1/1/2021 and ETA 21/0047 issued on 1/1/2021 prepared by ETA-Danmark A/S. CoC 2531-CPR-CXO10134 issued on 3/3/2021 prepared by DBI Certification, notified body No. 2531.

9. Declared performance:

Product –type: Pipe Wrap	Intended use: Penetration Seal	
Essential characteristics	Performance	Test Standard
Reaction to Fire	N/A (see ETA 21/0071 and 21/0047 for surface RTF)	EN 13501-1
Resistance to Fire	ETA 21/0039, 21/0071 and 21/0047 Annex A	EN 13501-2
Air permeability (material property)	N/A (see ETA 21/0071 and 21/0047)	EN 1026:2000
Water permeability (material property)	NPD	ETAG 026-2 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	N/A	EOTA TR 001:2003
Resistance to impact/movement	N/A	EOTA TR 001:2003
Airborne sound insulation	N/A (see ETA 21/0071 and 21/0047)	EN 10140-2
Impact sound insulation	N/A	EN 10140-3
Thermal properties	NPD	EN 12664, EN12667, or EN12939
Water vapour permeability	NPD	EN ISO 12572, EN 12086
Durability and serviceability	X	ISO 8339:2005, ISO 9046:2004 & 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.

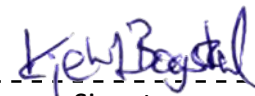
Signed on the behalf of the manufacturer by:

Kjetil Bogstad, Director

(name and function)

London, 15.03.2021

Place and date of issue



Signature