

Declaration of Performance

No: **PS-14021 (1)**

1. Unique identification code of the product-type:

Graft 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):

EN 13501-2: EI240

EN 1366-3: Penetration seals

2.1 Graft 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): ETAG 026-2 (penetration seal).

3.1 The intended use of system Graft FR Pipe Wrap is to reinstate fire resistance performance of flexible wall constructions, ridged wall construction and ridged floor construction where they are penetrated by various metal pipe services with and without combustible insulation and plastic pipes when used in combination with Graft EX mortar and Graft FR Board.

3.2 The specific elements of construction that the system Graft FR Pipe Wrap may be used to provide a penetration seals in Graft EX mortar and Graft FR Boards, are as follows:

Flexible walls: The wall must have a minimum thickness of 100 mm and comprise steel studs lined on both faces with minimum 2 layers of 12.5 mm thick boards.

Rigid walls: The wall must have a minimum thickness of 100mm (unless stated otherwise in ETA 14/0248) 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.

3.3 The system Graft FR Pipe Wrap may be used to provide a penetration seal with specific, uninsulated metal pipes, and plastic pipes specific supporting construction and substrates (for details see ETA 14/0248 Annex A).

Pipes shall be supported at maximum 270 mm away from both faces of the wall constructions and from the upper face of floor constructions.

3.4 The provisions made in the European Technical Assessment (14/0248) are based on an assumed working life of the Graft 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 Graft 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 Graft FR Board or Graft 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.
Shaw Park
Silver Street
Huddersfield
West Yorkshire
United Kingdom
HD5 9AF

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 ETAG 026 part 1(general), 2 (penetration seals).

ETA 14/0248 prepared by UL International (UK) Ltd notified body 0843
 EC Certificate of conformity 0843-CPD-203.

9. Declared performance:

Product –type: Wrap	Intended use: Penetration Seal	
Essential characteristics	Performance	Test Standard
Reaction to Fire	Class E	EN 13501-1
Resistance to Fire	ETA 14/0248 Annex A	EN 13501-2
Air permeability (material property)	Not relevant	EN 1026:2000
Water permeability (material property)	Not relevant	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	Not relevant	EOTA TR 001:2003
Resistance to impact/movement	Not relevant	EOTA TR 001:2003
Airborne sound insulation	Not relevant	EN 10140-2
Impact sound insulation	Not relevant	EN 10140-3
Thermal properties	Not relevant	EN 12664, EN12667, or EN12939
Water vapour permeability	Not relevant	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:

Neil Heffernan, Product Certification Manager

 (name and function)



London, Uk 26/05/15

 Place and date of issue

 Signature