

## Declaration of Performance

No.: **PS-14013(5)**

1. Unique identification code of the product-type:

### **Protecta FR Board**

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 number**

2.1 Protecta FR Board is supplied in 600mm x 1200mm boards. The Protecta FR Board is supplied in a multitude of board thicknesses and is coated on one face, referenced 1-S, or on both faces, referenced 2-S.

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 Protecta FR Board is to reinstate the fire resistance performance of flexible wall, rigid wall, timber wall and floor constructions where they are penetrated by various cables, metallic pipes, composite pipes and plastic pipes.

3.2 The specific elements of construction that the system Protecta FR Board may be used to provide a penetration seal in, 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 (unless otherwise stated in ETA 13/0673) and comprise, 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>.

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.

\* minimum wall thickness is dependent on approvals specified in ETA 13/0673 Annex A.

3.3 The System Protecta FR Board may be used to provide a penetration seal with cables, cable trays, metallic pipes, composite pipes and plastic pipes, with and without insulation (for details see ETA 13/0673 Annex A). The total amount of cross sections of services (including insulation) should not exceed 60% of the penetration area. The system Protecta FR Board may be used to seal apertures in the separating element of unlimited width by 1200mm high in a wall (uninterrupted separating studs will be required at 2400 mm centres or less in flexible walls), and 2400mm by 1200 mm in a floor. The minimum permitted separation between adjacent seals/apertures is 200mm. Services should be a minimum of 25mm from seal edges. Services within the system Protecta FR Board seal do not require a minimum separation, except pipes where pipe insulation penetrates the seal and plastic pipe penetrations which must be a minimum of 30 mm from other services in the aperture. Services in floors shall be supported at maximum 250mm from the top face. Services in walls shall be supported at maximum 270mm from both faces of the wall.

3.4 The provisions made in the European Technical Assessment (13/0673) are based on an assumed working life of the Protecta FR Board of 10 years, provided that the conditions laid down in the product datasheet for the packaging/transport/ storage/installation/use/repair are met the assumed working life of Protecta FR Board is 25 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 Y1: intended for use at temperatures below 0°C with exposure to UV and moisture but no exposure to rain. Includes lower classes Y2, Z1, Z2.

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 has been issued:

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

ETA 13/0673 prepared by UL International (UK) Ltd notified body 0843

EC Certificate of conformity 0843-CPR-0140

9. Declared performance:

Product-type: Board	Intended use: Fire stopping seal	
Essential characteristics	Performance	Test Standard
Reaction to Fire	Class F (not tested)	EN 13501-1
Resistance to Fire	ETA 13/0673 Annex A	EN 13501-2
Air permeability (material property)	ETA 13/0673 Annex B	EN 1026
Water permeability (material property)	NPD	EAD 350454-00-1104, Annex C
Release of dangerous substances	Complies to multiple protocols, see TD	EN 16516
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	ETA 13/0673 section 3	EN 10140-1,2,4,5/EN ISO 717-1
Impact sound insulation	NPN	EN 10140-3
Thermal properties	NPD	EN 12664, EN12667, or EN12939
Water vapour permeability	NPD	EN ISO 12572, EN 12086
Durability and serviceability	Y <sub>1</sub>	EAD 350454-00-1104, Clause 2.2.9

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:

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Kjetil Bogstad, CEO  
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(name and function)

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London, 12/06/2020  
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Place and date of issue

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Signature