

Declaration of Performance

No.: **PS-14013**

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) and EAD 350141-00-1106 (linear joint 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, trays, metallic pipes, composite pipes, plastic pipes and conduits, or, in linear seals.

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 and comprise concrete, aerated concrete or masonry, with a minimum density of 650 kg/m³ *)

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/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.

*) Minimum wall thickness is dependent on approvals specified in ETA 21/0047 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, conduits and plastic pipes, with and without insulation (for details see ETA 21/0047 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 where pipe wraps are used which must be a minimum of 30 mm from other services in the aperture. 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 (21/0047) 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 350141-00-1106, linear joint seals and EAD 350454-00-1104 penetration seals.

ETA 21/0047 issued on 1/1/2021 and ETA 21/0032 issued on 1/1/2021 prepared by ETA-Danmark A/S. CoC 2531-CPR-CXO10130 issued on 3/3/2021 prepared by DBI Certification, notified body No. 2531.

9. Declared performance:

| Product-type: Board | Intended use: Fire stopping seal | |
|--|--|----------------------------------|
| Essential characteristics | Performance | Test Standard |
| Reaction to Fire | D – s1, d0 | EN 13501-1 |
| Resistance to Fire | ETA 21/0047 Annex A | EN 13501-2 |
| Air permeability (material property) | ETA 21/0047 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 21/0047 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 ₁ | 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:

Kjetil Bogstad, Director
(name and function)

London, 08.03.2021
Place and date of issue


Signature