

Declaration of Performance
No.: **PS-14016 (1)**

Protecta FR Graphite

1. Unique identification code of the product-type:

EN 1366-3: 2010 Penetration seals
EN 13501 -1 EI240 Fire resistance classification

2. Type, batch or serial no. or any other element allowing identification of the construction product as required pursuant to article 11(4):

Protecta FR Graphite
See packaging for batch number

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 seals):

3.1 The intended use of system Protecta FR Graphite is to reinstate the fire resistance performance of flexible and rigid wall, and floor constructions where they are penetrated by various steel and plastic pipes, cables with and without cable trays.

3.2 The specific elements of construction that the system Protecta FR Graphite may be used to provide a penetration seal in, 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. The walls must also incorporate a full fill core insulation of Stonewool (minimum 35kg/m³ density).

Rigid walls: The wall must have a minimum thickness of 100 mm 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 Protecta FR Graphite may be used to provide a penetration seal with cables, cable trays, plastic pipes and metallic pipes with and without insulation (for details see ETA 14/0242 Annex A).

3.4 The provisions made in the European Technical Assessment are based on an assumed working life of the Protecta FR Graphite for 10 years, provided that the conditions laid down in the manufacturer's datasheet and instructions for the packaging/transport/storage/installation/use/repair are met. 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 Z2: intended for use for internal conditions with humidity classes other than Z1, excluding temperatures below 0°C.

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) and 2 (penetration seal).

ETA 14/0242 prepared by UL International (UK) Ltd notified body 0843
EC Certificate of conformity 0843-CPR-0188

9. Declared performance:

Essential Characteristics	Performance	Harmonised technical specification or test Standard
Reaction to fire	NPD	EN 13501-1
Resistance to fire	See ETA 14/0242 Annex A	EN13501-2
Air permeability	NPD	EN1026
Water permeability	NPD	ETAG 026-2 Annex C
Release of dangerous substances	EC1 ^{plus}	GEV/EMICODE
Mechanical resistance and stability	NPD	EOTA TR 001
Resistance to impact/movement	NPD	EOTA TR 001
Adhesion	NPD	EOTA TR 001
Airborne sound insulation	Rw (C;Ctr) = 53 (0;--1) dB*	EN 10140-2
Impact sound insulation	NPD	EN 10140-3
Thermal properties	NPD	EN 12664, EN 12667, EN 12939
Water vapour permeability	NPD	EN ISO 12572, EN 12086
Durability and serviceability	Z2	ISO 8339

*minimum 25mm depth single sided seal

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, CEO
 (name and function)

 London, 10.08.2014
 Place and date of issue


 Signature