

Declaration of Performance

No.: **PS-14008 (4)**

1. Unique identification code of the product-type:

Graft FR Mortar

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 Graft FR Mortar is supplied in 10 litre pails and 20 litre bags.

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 (Hereinafter EAD): ETAG 026-2 (penetration seals).

3.1 The intended use of Graft FR Mortar is to reinstate the fire resistance performance of flexible wall, rigid wall and floor constructions where they are penetrated by various cables and metallic pipes.

3.2 The specific elements of construction that the system Graft FR Mortar 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.
- Rigid walls: The wall must have a minimum thickness of 100 mm (unless otherwise stated in ETA 14/0031) and comprise, 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 Mortar 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 14/0031 Annex A). The system Graft FR Mortar may be used to seal apertures in the separating element up to 2400mm wide by 1200mm high in a wall, and 2400mm by 1200 mm in a floor. The minimum permitted separation between adjacent seals/apertures is 200mm. Services within the system Graft FR Mortar seal do not require a minimum separation, except where specifically detailed in ETA 14/0031 Annex A. Services in floors shall be supported at 250mm and 400mm from the top face, unless. Services in walls shall be supported at 270mm and 470mm from both faces of the wall.

3.4 The provisions made in the European Technical Assessment (14/0031) are based on an assumed working life of the Graft FR Mortar of 10 years, however provided that the conditions laid down in the manufacturer's datasheet and instructions for the packaging/transport/ storage/installation/use/repair are met the assumed working life of Graft FR Mortar 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 Z2: Intended for uses in 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 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 ETAG 026 part 1 and 2 (penetration seals).

ETA 14/0031 issued on 08/01/2014 prepared by UL International (UK) Ltd notified body 0843

EC Certificate of conformity 0843-CPR-0167

9. Declared performance:

Product –type: Mortar	Intended use: Fire stopping seal	
Essential characteristics	Performance	Test Standard
Reaction to Fire	Class A1	EN 13501-1
Resistance to Fire	ETA 14/0031 Annex A	EN 13501-2
Air permeability (material property)	NPD	EN 1026:2000
Water permeability (material property)	NPD	ETAG 026-2 Annex C
Release of dangerous substances	As the manufacturer declare that Graft FR Mortar is compliant with the requirements of current EU legislation on material safety. See safety data sheets.	
Mechanical Resistance and stability	NPD	EOTA TR 001:2003
Resistance to impact/movement	Hard body impact- Serviceability 6Nm (pass), Safety in use 10Nm (pass) Soft body impact- Serviceability 500Nm (pass) Safety in use 700Nm (pass)	EOTA TR 001:2003
Adhesion	NPD	EOTA TR 001:2003/ISO 11600
Airborne sound insulation	Rw = 64dB @ 50mm depth single sided seal with 50mm 150kg/m ³ insulation backing	EN 10140-2
Impact sound insulation	NPD	EN 10140-3
Thermal properties	NPD	EN 12664, EN12667, or EN12939
Water vapour permeability	NPD	EN ISO 12572, EN 12086
Durability and serviceability	Z ₂	ISO 8339:2005, ISO 9046:2004 & ISO 7389
Compressive strength	Pass	ETAG 026 pt2 B.5.1.2 EN ISO 1015-11:1999

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, Certification Manager

(name and function)

London, 24/07/2019

Place and date of issue



Signature