Polyseam Ltd.
15 St Andrews Road
Huddersfield
HD1 6SB
United Kingdom
T: +44 (0) 1484 421036
F: +44 (0) 1484 500445
E: post.uk@polyseam.com

Declaration of Performance

No.: **PS-16013**

1. Unique identification code of the product-type:

Protecta® Interior Paint FR-1

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 no.

2.1 Protecta Interior Paint FR-1 is supplied in 10 litre pails.

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. Main use intended uses of the product in ETA 16/0520

3.1 Protecta Interior Paint FR-1 is used as fire retardant product to enhance the reaction to fire performance of a timber substrate surface of a construction product.

Protecta Interior Paint FR-1 can be applied to:

a. Any wood based substrate with a thickness ≥ 12mm and a density ≥ 510 kg/m^3. Protecta Interior Paint FR-1 shall be applied at a rate (wet) between 310 g/m^2 and 520 g/m^2, resulting in an approximate dry film thickness between 220 µm and 370 µm homogeneously distributed over the substrate surface.

b. Any wood based substrate with a thickness ≥ 12 mm and a density ≥ 510 kg/m3, overpainted with an acrylic based paint. Protecta Interior Paint FR-1 shall be applied at a rate (wet) of 390 g/m2, resulting in an approximate dry film thickness of 280 µm homogeneously distributed over the substrate surface.

c. Any wood based substrate with a thickness ≥ 12 mm and a density ≥ 510 kg/m3, overpainted with solvent based paint. Protecta Interior Paint FR-1 shall be applied at a rate (wet) of 390 g/m2, resulting in an approximate dry film thickness of 280 µm homogeneously distributed over the substrate surface.

The wood based substrate can be installed with a ventilated or a non-ventilated air gap behind, as well as without air gap.

3.2 Additional use of the product in ETA 21/0044

Protecta Interior Paint FR-1 wall system is non-loadbearing wall designed to provide a fire resistance performance.

a. The Protecta Interior Paint FR-1 wall system comprises a stud and perimeter framework of 38x63mm C16 European Redwood (EN 1912: 2004), faced on both sides with 1 layer of precoated, 12mm Class E1 particleboard (EN 312: 2010) with a density of 650 kg/m3 min. The studs are positioned at 600mm centres, with noggins at a height of 2400mm. The boards are fixed to the studs, permiter frame and noggins 15mm from the board edges and at 200mm centres. The particleboard faces of the partition

are precoated on the outward facing side with 220 microns (WFT)/ 305g/m2 dry weight of Protecta Interior Paint FR-1, applied by roller. The edges of the partition are sealed with a 5mm bead of Protect FR Acrylic sealant.

3.3 The provisions made in this DoP are based on an assumed working life of the Protecta Interior Paint FR-1 of 5 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 for Protecta Interior Paint FR-1 for internal conditions without exposed to UV or moisture is 12 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.

3.4 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 028 Fire retardant products, version June 2012, used as European Assessment Document (EAD), and EAD 210005-00-0505 for Internal partition kits for use as non-loadbearing walls.

ETA 16/0520 prepared by ITeC, and ETA 21/0044 prepared by ETA-Danmark A/S. CoC 2531-CPR-CXO10424 prepared by DBi, notified body No. 2531.

9. Declared performance:

Product type: **Intumescent Paint**	Intended use: **Fire Retardant**	
Essential characteristics	**Performance**	**Test Standard**
Reaction to Fire	ETA 16/0520 - Table 1	EN 13501-1
Resistance to Fire	ETA 21/0044 - Annex A	EN 13501-2
Air permeability (material property)	NPD	EN 1026
Water permeability	Not water proof	ETAG 026-3, 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 and emission test reports.	
Mechanical Resistance and stability	NPD	EOTA TR 001:2003
Resistance to impact/movement	NPD	EOTA TR 001:2003
Airborne sound insulation	NPD	EN 10140-2
Impact sound insulation	NPD	EN 10140-3
Thermal properties	NPD	EN 12664, EN12667, EN12939
Water vapour permeability	NPD	EN ISO 12572, EN 12086
Durability and serviceability	Z_2	ISO 8339, ISO 9046 & 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:

Name: Paul Ramage Function: Technical Manager

Place of Issue: Huddersfield, England

Date of Issue: 27th September 2024 Signature: