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Authorised and notified according to Article 29 of the Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011

European Technical Assessment ETA-21/0032 of 2021/01/01

I General Part

Technical Assessment Body issuing the ETA and designated according to Article 29 of the Regulation (EU) No 305/2011: ETA-Danmark A/S	
Trade name of the construction product:	Protecta FR Coating
Product family to which the above construction product belongs:	Fire Stopping and Sealing Product: • Linear Joint and Gap Seals
Manufacturer:	Polyseam AS Ravneveien 7 Linnestad Næringsområde N-3174 Revetal, Norway http://www.polyseam.com
Manufacturing plant:	Polyseam Ltd 15 St Andrews Road Huddersfield HD1 6SB, UK
This European Technical Assessment contains:	10 pages including 1 annex which form an integral part of the document
This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, on the basis	EAD 350141-00-1106, September 2017.
This version replaces:	-

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I. SPECIFIC PARTS OF THE EUROPEAN TECHNICAL ASSESSMENT

1 Technical description of the product

1) Protecta FR Coating is an ablative sealant coating designed to enhance, seal and fire protect mineral fibres. It is based on a durable polymer system with inert fillers, non-halogenated fire retardants and a preservative to resist microbial attack. Protecta FR Coating is a sprayed coating product that is site or factory applied to both faces of a stone wool, mineral fibre board or site applied to one face of stone wool mineral fibre backer, to form a linear joint seal system. The intended use of Protecta FR Coating is to reinstate the fire resistance performance of floor to floor/ floor to wall joints and wall gaps.

2) The Protecta FR Coating system, when factory applied/supplied is referenced Protecta FR Board 2-S.

3) The Protecta FR Coating on mineral fibre boards, shall only be applied to Paroc Pyrotech Slab 160 / Paroc FPS 160 stone wool mineral fibre boards, with a minimum 1 mm WFT. The WFT of the coating should be measured and verified at minimum 5 locations to ensure correct installation. The stone wool mineral fibre boards may be supplied by Polyseam AS or may be sourced separately. Installation of the Protecta FR Coating / Protect FR Board system shall be in accordance with Polyseam AS installation instructions.

4) The Protecta FR Coating may also be applied to stone wool, mineral fibre with a density 33 kg/m^3.

5) Polyseam AS submitted a written declaration that Protecta FR Coating does not contain substances which have to be classified as dangerous according to Directive 67/548/EEC and Regulation (EC) No 1272/2008 and listed in the "Indicative list on dangerous substances" of the EGDS - taking into account the installation conditions of the construction product and the release scenarios resulting from there.

   In addition to the specific clauses relating to dangerous substances contained in this European technical Assessment, there may be other requirements applicable to the products falling within its scope (e.g. transposed European legislation and national laws, regulations and administrative provisions). In order to meet the provisions of the Construction Products Regulation, these requirements need also to be complied with, when and where they apply.

6) The use catagory of Protecta FR Coating in relation to BWR 3 (Hygiene, health and environment) is IA1, S/W3

2 Specification of the intended uses of the product in accordance with the applicable European Assessment Document (Hereinafter EAD): ETAG 026-2

Detailed information and data is given in Annex A.

1) The intended use of Protecta FR Coating is to reinstate the fire resistance performance of gaps in and joints between rigid floors and between rigid floors and rigid wall constructions, gaps in and joints between rigid floor constructions.

2) The specific elements of construction that the system Protecta FR Board may be used to provide a linear joint or gap seal in, are as follows:

   a. 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.

   b. Rigid walls: The wall must have a minimum thickness of 150 mm and comprise concrete, aerated concrete or masonry, with a minimum density of 650 kg/m^3.

   The supporting construction must be classified in accordance with EN 13501-2 for the required fire resistance period. (for details see Annex A)

3) The system Protecta FR Coating may be used to provide a linear joint or gap seal with specific supporting constructions and substrates (for details see Annex A).

4) The maximum permitted joint/gap width for system Protecta FR Coating is 120 mm.

5) The maximum movement capability of system Protecta FR Board is ≤ 7.5%

6) The provisions made in this European Technical Assessment are based on an assumed working life of the Protecta FR Coating of 25 years, provided that the conditions laid down in the product datasheet 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 or the Technical Assessment Body 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.

7) Type Z_2: Intended for uses in internal conditions with humidity lower than 85 % RH excluding temperatures below 0°C, without exposure to rain or UV.

3 Performance of the product and references to the methods used for its assessment

Product-type: Coating			Intended use: Linear Joint & Gap Seal
		Essential characteristic	Performance
Mechanical resistance and stability			
		None	Not relevant
	Safety in case of fire		
		Reaction to fire	No performance assessed
		Resistance to fire	Annex A
Hygiene, health and environment			
		Air permeability (material property)	No performance assessed
		Water permeability (material property)	No performance assessed
		Release of dangerous substances	Declaration of manufacturer
Safety in use			
		Mechanical resistance and stability	No performance assessed
		Resistance to impact/movement	No performance assessed
		Adhesion	No performance assessed
Protection against noise			
		Airborne sound insulation*	Rw (C;Ctr) = 55 (-1;-1) dB
		Impact sound insulation	No performance assessed
Energy economy and heat retention			
		Thermal properties	No performance assessed
		Water vapour permeability	No performance assessed
General aspects relating to fitness for use			
		Durability and serviceability	Z_2

* Protecta FR Coating 1.0mm WFT on both sides of minimum 50mm thick stone wool mineral fibre board with density minimum 160kg/m^3

4 ASSESSMENT AND VERIFICATION OF CONSTANCY OF PERFORMANCE (HEREINAFTER AVCP) SYSTEM APPLIED, WITH REFERENCE TO ITS LEGAL BASE

According to the decision 1999/454/EC – Commission Decision of date 22nd June 1999 on on the procedure for attesting the conformity of construction products pursuant to Article 20(2) of Council Directive 89/106/EEC as regards fire stopping, fire sealing and fire protective products, published in the Official Journal of the European Union (OJEU) L178/52 of 14/07/1999, see http://eur-lex.europa.eu/JOIndex.do) of the European Commission[1], as amended, the system(s) of assessment and verification of constancy of performance (see Annex V to Regulation (EU) No 305/2011) given in the following table(s) applies (apply).

Product(s)	Intended use(s)	Level(s) or class(es)	System(s)
Fire stopping and Fire Sealing Products	For fire compartmentation and/or fire protection or fire performance	Any	1

5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited at ETA-Danmark A/S prior to CE marking

Issued in Copenhagen on 2021-01-01 by

Thomas Bruun

Managing Director, ETA-Danmark

[1] Official Journal of the European Communities L178/52 of 14/7/1999

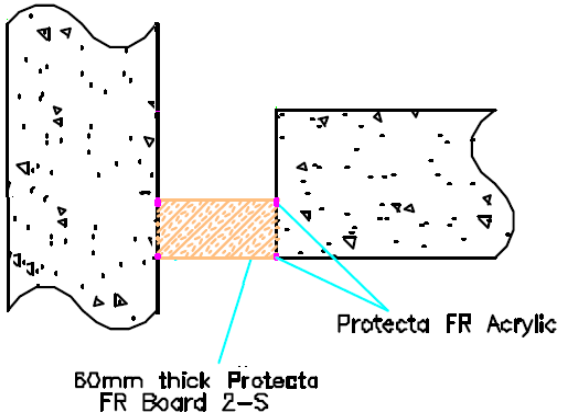
ANNEX A – Resistance to Fire Classification – Protecta FR Coating

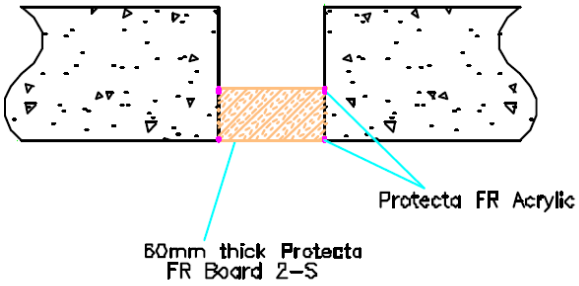
A.1 Rigid floor constructions with thickness of minimum 150 mm

A.1.1 Linear joint or gap seal, between floor slabs or between floor slab and wall with coating to the both faces of seal

Joint Seal: 60mm thick Protecta FR Board 60 2-S friction fitted at any position fully within the cavity* and sealed at the joint and along the top and bottom edges with FR Acrylic

Construction details:





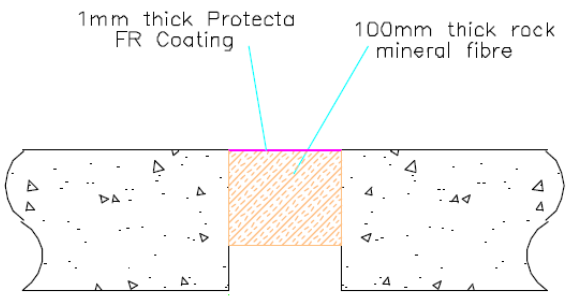
A.1.1.1

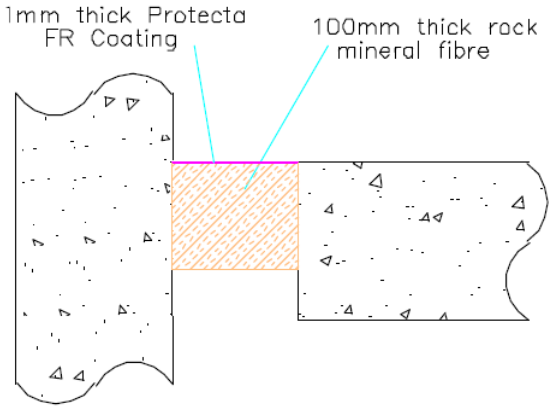
Substrate	Depth (mm)	Backing	Classification
masonry/ concrete	1 mm WFT min. Both sides	60 mm stone wool, mineral fibre batt	**E 240 – H – X – F – W30-120** **EI 120 – H – X – F – W30-120**

A.1.2 Linear joint or gap seal, between floor slabs or between floor slab and wall with coating to the top face of seal only

Joint Seal: 100mm thick Stone wool, mineral fibre insulation friction fitted at least 50 mm above the soffit and coated on the top face with Protecta FR Coating

Construction details:





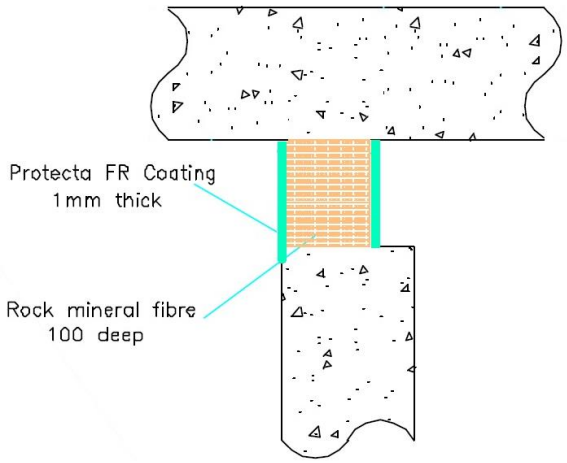
A.1.2.1

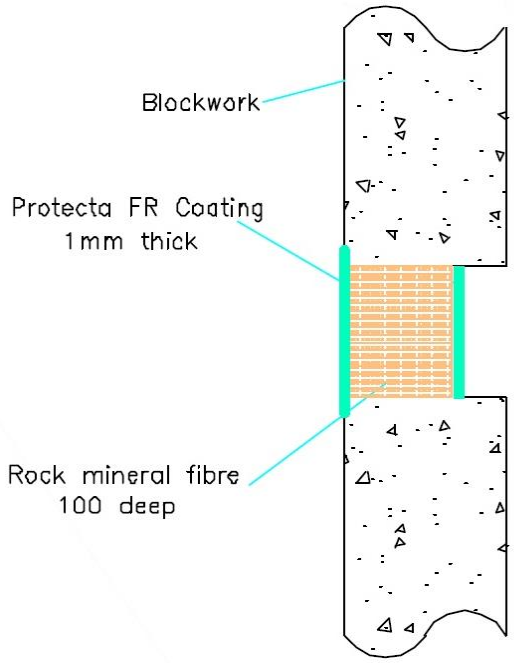
Substrate	Depth (mm)	Backing	Classification
masonry/ concrete	1 mm WFT min. top face	100 mm stone wool, mineral fibre min. 33 kg/m^3	**E 240 – H – X – F – W120** **EI 180 – H – X – F – W120**

A.1.3 Linear joint or gap seal, between the head of walls (min. 150 mm thick) and the soffit of floor slabs or in walls (min. 150 mm thick) with coating to both faces

Joint Seal: 100mm thick Stone wool, mineral fibre insulation compression fitted to either face of the wall or at any position in between and coated on both faces with Protecta FR Coating

Construction details:





A.1.3.1

Substrate	Depth (mm)	Backing	Classification
masonry/ concrete	1.2 mm WFT min. both faces overlapped by 15 mm onto wall surface	100 mm stone wool, mineral fibre min. 35 kg/m^3, compressed into gap by 40%	**E 240 – T – X – F – W120** **EI 180 – T – X – F – W120**