



ETA-Danmark A/S
Göteborg Plads 1
DK-2150 Nordhavn
Tel. +45 72 24 59 00
Internet www.etadanmark.dk

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

MEMBER OF EOTA



European Technical Assessment ETA-21/0047 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 Board

Product family to which the above construction product belongs:

Fire Stopping and Sealing Product:

- Penetration Seals

Manufacturer:

Polyseam Ltd
15. St. Andrews Road
Huddersfield, West Yorkshire
HD1 6SB, UK

Manufacturing plant:

Polyseam Ltd
15. St. Andrews Road
Huddersfield, West Yorkshire
HD1 6SB, UK

This European Technical Assessment contains:

92 pages including 2 annexes which form an integral part of the document

This European Technical Assessment is issued in accordance with Regulation (EU) No

EAD 350454-00-1104, September 2017.

This version replaces:

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

Product-type: Sealant		Intended use: Penetration Seal
Assessment method	Essential characteristic	Product Performance
BWR 2 Safety in case of fire		
	Reaction to fire	D – s1, d0
	Resistance to fire	Annex A
BWR 3 Hygiene, health and environment		
	Air permeability	Annex B
	Water permeability	No performance assessed
	Release of dangerous substances	Declaration of manufacturer
BWR 4 Safety in use		
	Mechanical resistance and stability	No performance assessed
	Resistance to impact/movement	No performance assessed
	Adhesion	No performance assessed
	Durability	Y ₁
BWR 5 Protection against noise		
	Airborne sound insulation	29 (-1;-3) dB ¹ 29 (0;-2) dB ² 52 (-4;-7) dB ³ 53 (-4;-7) dB ⁴
BWR 6 Energy economy and heat retention		
	Thermal properties	No performance assessed
	Water vapour permeability	No performance assessed

¹ Single 50mm FR Board 2-S.² Single 60mm FR Board 2-S³ Double 50 or 60mm FR Board 1-S or 2-S⁴ Double 50 or 60mm FR Board 1-S or 2-S with 50mm cavity



FIRESTOP CENTRE
INNOVATIVE FIRESTOP SOLUTIONS

Protecta® FR Board has been tested at Warringtonfire Testing and Certification Ltd (UKAS accredited); according to EN 1026: 2016 under the UK Construction Products Regulations 2013 (Basic Works Requirements BWR 3) and has negligible (<0.1m³/h) air permeability up to 200Pa of pressure (10 x furnace pressure required under AS1530).

Firestop Centre Ltd systems using Protecta FR Board 2-S (50mm or 60mm) are therefore rated **SMOKE-SAFE** systems.

ANNEX B – Air Permeability – Protecta FR Board

Product tested	1200mm high x 600mm wide Protecta FR Board 50mm 2-S		
	Summary of testing procedure		Result
	Pressure (Pa)	Leakage (m ³ /h)	Leakage (m ³ /m ² /h)
Results under negative chamber pressure	25	0.00	0.00
	50	0.01	0.01
	100	0.02	0.03
	200	0.04	0.06
	300	0.11	0.15
	450	0.49	0.68
	600	0.95	1.32
Results under positive chamber pressure	25	0.00	0.00
	50	0.01	0.01
	100	0.03	0.04
	200	0.08	0.11
	300	0.2	0.28
	450	0.63	0.88
	600	1.01	1.40

