

UL-EU CERTIFICATE

Certificate No. UL-EU-01028-CPR

Page 1/5

Date of Issue 2016-10-11

Revised 2020-03-31

Certificate Holder Polyseam Ltd
St.Andrew Road
Huddersfield
West Yorks
HD1 6SB

Manufacturer Polyseam Ltd
St.Andrew Road
Huddersfield
West Yorks
HD1 6SB

Certified Product Type Fire Stop – Fire Damper

Product Trade Name Protecta FR Damper

Trademark N/A

Rating/Classification See Appendix

Harmonised Technical Specifications EN 1366-12 / EN 13501-3

Supporting Documentation Report No. 47876829699

Additional information Additional test evidence is held on file

Expiry date 2026-10-10

Expiry date 10 years



A handwritten signature in purple ink, consisting of a series of loops and a long horizontal stroke.

Authorized Certification Decision Maker
Chris Miles

This is to certify that representative samples of the Certified Product listed above have been investigated by Underwriters Laboratories to the Standard(s) indicated on this Certificate, in accordance with the UL Global Services Agreement and the UL-EU Mark Service Terms and Conditions ("Agreement"). The Certificate Holder is entitled to use the UL-EU Mark for the Certified Product listed on the certificate and manufactured at the production site(s) listed, in accordance with the terms of the Agreement. Only those products bearing the UL-EU Mark for Europe should be considered as being covered by UL's UL-EU Mark Service. This Certificate shall remain valid through the Expiration date, unless a Standard identified on this Certificate is amended or withdrawn prior to that date or there is a non-compliance with the Agreement.



Appendix UL-EU CERTIFICATE

Certificate No. UL-EU-01028-CPR
Page 2/5
Date of Issue 2016-10-11

This certificate relates to the use of Protecta FR Damper for preventing fire and smoke spreading from one fire compartment to another through the air ductwork system which may penetrate fire separating walls and floors.

The Protecta FR Damper briefly comprises a circular or rectangular galvanised steel shell, containing a number of perforated steel fins and closed on both faces with a steel mesh grille. The interior of the shell and both sides of the fins are lined with an intumescent sheet material.



The detailed scope is given in page 3 of this Certificate. This shows the damper sizes, configurations and acceptable substrates to provide fire resistance periods of up to 180 minutes. All dampers are symmetrical and therefore may be exposed from either side (i↔o).

The products are certificated on the basis of:

- i) Classification report No. 4786457143
- ii) Inspection and surveillance of factory production control by UL
- iii) Fire resistance test data in accordance with EN 1366-12: 2014
- iv) Durability and Serviceability as defined in ETAG 026-2

The Intumescent inlay of the Protecta FR Damper has demonstrated durability class of Z₂ (Evaluated against the requirements of ETAG 026-2) - intended for use at internal conditions with humidity classes other than Z₁, excluding temperatures below 0°C.



Appendix UL-EU CERTIFICATE

Certificate No. UL-EU-01028-CPR
 Page 3/5
 Date of Issue 2016-10-11

Protecta FR Damper: Fire Dampers in Steel Stud Drywalls and Masonry Walls Min. 100 mm thick									
Seal around damper	Minimum Seal Thickness (mm)	Maximum damper size (mm)	Damper length through the element (mm)	Number of intumescent Lined Fins	Insulation – Local Interrupted (LI)	Fire Resistance (mins.)			
						E	EI		
2 x 50 mm Protecta FR Board 1-S or for small gaps options 1-3 below	100	100 Ø	200	3	Min. 30mm thick stonewool Min. 80 kg/m ³ , Min. 200 mm long to both sides	120	120		
		125 Ø		3					
		160 Ø		5					
		200 Ø		7					
		250 Ø		7					
		315 Ø		9					
		400 Ø	13	Min. 30mm thick Stonewool Min. 80 kg/m ³ , Min. 500 mm long to both sides	90	60			
		500 Ø	15						
		630 Ø	19						
		800 Ø	25						
		1250 Ø	40						
		1000 x 600	200				19*	120	120
		1700 x 1200	300				39	90	90

Protecta FR Damper: Fire Dampers in Concrete Floors Min. 150 mm thick							
Seal around damper	Minimum Seal Thickness (mm)	Maximum damper size (mm)	Damper length through the element (mm)	Number of intumescent Lined Fins	Insulation – Local Interrupted (LI)	Fire Resistance (mins.)	
						E	EI
100 mm Protecta EX Mortar or for small gaps options 1-3 below	100	100 Ø	200	3	Min. 30mm thick stonewool Min. 80 kg/m ³ , Min. 150 mm long to top side	180	120
		125 Ø		3			
		160 Ø		5			
		200 Ø		7			
		250 Ø		7			
		315 Ø		9			
		400 Ø	13	Min. 30mm thick stonewool Min. 80 kg/m ³ , Min. 500 mm long to the top side	90	60	
		1000 x 600	200				19*
		500 Ø	300				15
		630 Ø					19
		800 Ø					25
		1000 Ø					32
		1000 x 1000					

* additional intumescent applied to the inside of the casing parallel to the fins

Small seal options:

- Gaps less than 10 mm between damper and supporting element (wall or floor) may be sealed with 15 mm Ø Protecta FR Putty Cord to both faces.
- Gaps of 10-30 mm between damper and wall may be sealed with 12.5 mm deep Protecta FR Acrylic sealant to both faces, backed with 12.5 mm Stonewool (min 33 kg/m³).
- Gaps of 10-30 mm between damper and floor may be sealed with 15 mm deep Protecta FR Acrylic sealant to both faces, backed with 25 mm Stonewool (min 33 kg/m³).



Appendix UL-EU CERTIFICATE

Certificate No. UL-EU-01028-CPR
 Page 4/5
 Date of Issue 2016-10-11

Protecta FR Damper: Fire Dampers in Cross Laminated Timber [#] Walls Min. 100 mm thick							
Seal around damper (both faces)	Backing (Both faces)	Maximum damper size (mm)	Damper length through the element (mm)	Number of intumescent Lined Fins	Insulation – Local Interrupted (LI)	Fire Resistance (mins.)	
						E	EI
25mm FR Acrylic Sealant	25mm Stonewool	100 Ø	200	3	Min. 30mm thick stonewool Min. 80 kg/m ³ , Min. 200 mm long to both sides	90	90
		125 Ø		3			
		160 Ø		5			
		200 Ø		7			
		250 Ø		7			
		315 Ø		9			
		400 Ø		13			
		500 Ø	300	15	Min. 30mm thick stonewool Min. 80 kg/m ³ , Min. 500 mm long to both sides	90	60
		630 Ø		19			
		800 Ø		25			
		1250 Ø		40			

* additional intumescent applied to the inside of the casing parallel to the fins
 # in compliance with EN 16351 and classified for at least the required period to EN 13501-2

Protecta FR Damper: Fire Dampers in Cross Laminated Timber [#] Floors Min. 150 mm thick							
Seal around damper	Minimum Seal Thickness (mm)	Maximum damper size (mm)	Damper length through the element (mm)	Number of intumescent Lined Fins	Insulation – Local Interrupted (LI)	Fire Resistance (mins.)	
						E	EI
25mm FR Acrylic Sealant	25mm Stonewool	100 Ø	200	3	Min. 30mm thick stonewool Min. 80 kg/m ³ , Min. 150 mm long to top side	90	90
		125 Ø		3			
		160 Ø		5			
		200 Ø		7			
		250 Ø		7			
		315 Ø		9			
		400 Ø		13			
		500 Ø	300	15	Min. 30mm thick stonewool Min. 80 kg/m ³ , Min. 500 mm long to the top side	90	90
		630 Ø		19			
		800 Ø		25			
		1000 Ø		32			

* additional intumescent applied to the inside of the casing parallel to the fins
 # in compliance with EN 16351 and classified for at least the required period to EN 13501-2



Appendix UL-EU Certificate

Certification Mark	UL-EU mark
Certificate No.	UL-EU-01028-CPR
Page	5/5
Date of Issue	2016-10-11

The UL-EU Mark, as displayed below, shall appear on certified products only. Minimum size is not specified, as long as the Mark is legible. The following is suggested.



The minimum height of the registered trademark symbol ® shall be 1 mm. When the overall diameter of the UL-EU Mark is less than 9.5 mm, the trademark symbol may be omitted if it is not legible to the naked eye.

The UL-EU Mark may appear on a label, nameplate, or may be cast, stamped or molded into the product. When appearing on a label or nameplate, the Manufacturer's name or trademark along with a model number are also required on that same label or nameplate. If cast, stamped or molded, the Manufacturer's name or trademark and model number shall also appear elsewhere on the product.

All content shall be in accordance with the details provided on this UL-EU Certificate.

PROCUREMENT

The Production site may reproduce the Mark or obtain it from a UL authorized supplier. The list of UL authorized suppliers can be found on UL's online directory at www.ul.com.

