

UL-EU CERTIFICATE

Certificate No.
UL-EU-00772-EN

Issue date
2015-04-20

Issue No.
2

Re-Issue date
2025-10-22

Expiry date
2035-10-21



4705

This is to acknowledge that:
Neutron Fire Technologies Limited

Address:
Broomfield Industrial Estate,
Broomfield Road,
Montrose
DD10 8SY

Has had the product:
Firebreak Service Transit

evaluated and meets the requirements of the standard(s):

EAD 350454-00-1104, September 2017 / EN 13501-2: 2023

Places of production:
A/005

Authorised Signatory:

A handwritten signature in blue ink, appearing to read 'Chris Johnson'.

Chris Johnson
Issued by UL International (UK) Ltd

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shall remain valid through the Expiration date, unless a Standard identified on this Certificate is amended or withdrawn prior to that date or there is a non-compliance with the Agreement.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 UL-EU-00772-EN

This certificate relates to the use of Firebreak Service Transits for fire stopping where there are service penetrations through floors and walls. The detailed scope is given in pages 3 to 5 of this Certificate. This shows the thickness and acceptable dimensions, substrates and orientations required to provide fire resistance periods of up to 240 minutes for differing services and wall/floor constructions.

The product is certificated on the basis of:

- i) 0843-UKTA-240012
- ii) UK – CERTIFICATE OF CONSTANCY OF PERFORMANCE 0843 – CPR – 1362
- iii) Inspection and surveillance of factory production control by UL
- iv) Fire resistance test data in accordance with EN 1366-3: 2009
- v) Classification in accordance with EN 13501-2
- vi) Durability and Servicability as defined in EAD 350454-00-1104, September 2017

The durability class of Firebreak Service Transit is Y2 - intended for use at temperatures below 0°C, but with no exposure to rain nor UV. Includes lower use categories.

According to EN 1366-3: 2021+A1: 2024, Clause H.4.1.8.6.2, the following end uses are envisaged* based upon the tested pipe end configuration:

Pipe material	Tested pipe end	Envisaged use scenario
Metal	C/U or C/C	Closed pipe systems (e.g. systems under pressure)
	U/U, U/C or C/U	Ventilated pipe systems (e.g. sewage pipes) and for closed pipe systems
Plastic	U/U or C/U	Ventilated pipe systems and for closed pipe systems
	U/U	Ventilated pipe systems, for rainwater systems and for closed pipe systems

* In the case where a national prescription is in conflict with the content of the table above, the national prescriptions prevail.



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Product-type: Pipe closures		Intended use: Penetration Seal
Assessment method	Essential characteristic	Product Performance
BWR 2 Safety in case of fire		
EN 13501-1	Reaction to fire	Class F
EN 13501-2	Resistance to fire	See pages 4 to 5
BWR 3 Hygiene, health and environment		
EN 1026	Air permeability	No performance determined
EAD 350454-00-1104, Annex C	Water permeability	No performance determined
Declaration of manufacturer & EN 16516	Content, emission and/or release of dangerous substances	Use categories: IA1 Declaration of manufacturer
BWR 4 Safety in use		
EOTA TR 001:2003	Mechanical resistance and stability	No performance determined
EOTA TR 001:2003	Resistance to impact/movement	No performance determined
EOTA TR 001:2003	Adhesion	No performance determined
EAD 350454-00-1104, Clause 2.2.9	Durability	Y ₂
BWR 5 Protection against noise		
EN 10140-1,2,4,5/ EN ISO 717-1	Airborne sound insulation	No performance determined
BWR 6 Energy economy and heat retention		
EN 12664, EN 12667, EN 12939, EN ISO 8990, EN ISO 6946, EN ISO 14683, EN ISO 10211, EN ISO 10456	Thermal properties	No performance determined
EN ISO 12572, EN 12086, EN ISO 10456	Water vapour permeability	No performance determined



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Firebreak Service Transit (single): Service Penetration Seals in Drywalls and Masonry Walls													
Substrate	Minimum Wall Thickness (mm)	Penetrating Services	Transit size mm	Transit insulation	Service insulation	Fire Resistance (mins.) *							
						E	EI						
Gypsum board/ Masonry/ Concrete	100	Electrical cables up to 80 mm diameter	125 x 125 – 1100 x 125	None	None	120	30						
		Up to 21 mm diameter telecoms, bundles up to 100 mm diameter					60						
		Unsheathed wire up to 24 mm diameter					30						
		Type C2, C3, D1, D2 electrical cables*					45						
		Type A1, A2, C1, A3 electrical cables*					60						
		Electrical cables up to 80 mm diameter											
		Unsheathed wire up to 24 mm diameter	300 mm long insulwrap to services, 5 mm thick										
		Electrical cables up to 80 mm diameter, Unsheathed wire up to 24 mm diameter			None								
		Up to 21 mm diameter telecoms, bundles up to 100 mm diameter					30						
		Type C2, D1, D2 electrical cables*					60						
		Type A1, C1, D3, A3 electrical cables*					45						
		Electrical cables up to 80 mm diameter, Unsheathed wire up to 24 mm diameter					300 mm long insulwrap to services, 5 mm thick						
		Type C2, C3, E, D1, D2 electrical cables*	60										
		54mm dia. Copper and steel Pipe		19 mm Armaflex CS									
		Electrical cables up to 80 mm diameter	65 x 65 – 102 x 102 / 50 & 100 Ø	None	5 mm thick insulwrap	None	120	30					
		Up to 21 mm diameter telecoms, bundles up to 100 mm diameter						90					
		Unsheathed wire up to 24 mm diameter						30					
		Type C2, C3, D1 or D2 electrical cables*						45					
		Type A1, A2, D3 or C1 electrical cables*						60					
		Type A3 electrical cables*						90					
		Electrical cables 22-80 mm diameter						300 mm long insulwrap to services, 5 mm thick					
		Electrical cables up to 21 mm diameter							120				
		Unsheathed wire up to 24 mm diameter						60					
		Type E or D2 electrical cables*						120					
		Electrical cables up to 80 mm diameter						65 x 65 – 102 x 102 / 50 & 100 Ø	None	5 mm thick insulwrap	None	120	30
		Up to 21 mm diameter telecoms, bundles up to 100 mm diameter											90
		Unsheathed wire up to 24 mm diameter	30										
		Up to 82mm dia. x 3.2mm wall PVC Pipe to EN 1329-1, EN 1453-1 or EN 1452-1	90										
		Type C2, C3, D1 or D2 electrical cables*	45										
		Type A1, A2, D3 or C1 electrical cables*	60										
Type A3 electrical cables*	90												
Electrical cables up to 80 mm diameter	300 mm long insulwrap to services, 5 mm thick												
Unsheathed wire up to 24 mm diameter		60											
54mm dia. Copper and steel Pipe	19 mm Armaflex CS												

* Cable designations as given in Table A.1 of EN 1366-3: 2009



Appendix UL-EU CERTIFICATE UL-EU-00772-EN

Firebreak Service Transit (ganged): Service Penetration Seals in Drywalls and Masonry Walls							
Substrate	Minimum Wall Thickness (mm)	Penetrating Services	Transit size mm	Transit insulation	Service insulation	Fire Resistance (mins.)*	
						E	EI
Gypsum board/ Masonry/ Concrete	100	Up to 21 mm diameter telecoms, bundles up to 100 mm diameter	65 x 65 – 102 x 102	None	None	120	20
		Unsheathed wire up to 24 mm diameter				90	
		Type D3 electrical cables*			120		
		54mm dia. Copper and steel Pipe					
Up to 82mm dia. x 3.2mm wall PVC Pipe	None						

Firebreak Service Transit (single or ganged): Service Penetration Seals in Concrete Floors							
Substrate	Minimum Wall Thickness (mm)	Penetrating Services	Transit size mm	Transit insulation	Service insulation	Fire Resistance (mins.)*	
						E	EI
Concrete	150	Electrical cables up to 80 mm diameter	65 x 65 – 102 x 102 / 50 & 100 Ø	None	None	180	30
		Up to 21 mm diameter telecoms, bundles up to 100 mm diameter				240	60
		Electrical cables up to 21 mm diameter			300 mm long insulwrap to services, 5 mm thick	180	45
		Electrical cables up to 80 mm diameter				240	60
		Up to 21 mm diameter telecoms, bundles up to 100 mm diameter					
		Electrical cables up to 21 mm diameter			30		
		Up to 82mm dia. x 3.2mm wall PVC Pipe					
		Type C3 electrical cables*			45		
		Type C2, D3 electrical cables*					
		Type C1, B electrical cables*			60		
		Electrical cables 51 to 80 mm diameter			240	30	
		Electrical cables 22 to 50 mm diameter					
		Electrical cables up to 21 mm diameter			240	60	
		Up to 21 mm diameter telecoms, bundles up to 100 mm diameter					
		Electrical cables 51 to 80 mm diameter			180	90	
		Electrical cables 22 to 50 mm diameter					
		Electrical cables up to 21 mm diameter			240	120	
		Up to 21 mm diameter telecoms, bundles up to 100 mm diameter					
		Type C1, C2, C3, D2 or D3 electrical cables*			None		
		Up to 82mm dia. x 3.2mm wall PVC Pipe					

* Cable designations as given in Table A.1 of EN 1366-3: 2009



Appendix UL-EU CERTIFICATE UL-EU-00772-EN

The UL-EU Marks, displayed below represent the enhanced and alternate version of the product marking. Either Mark can be used. These Marks shall appear on certified products only. Minimum size is not specified, as long as the Mark is legible. The following is suggested.



*Note: E12345 is an example of the UL file number.

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 and UL File 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.



Solutions

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