

UL-EU CERTIFICATE

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Certificate Holder Neutron Fire Technologies
Shire Hall
Quay Street
Lostwithiel
Cornwall
PL22 0BS
United Kingdom

Manufacturer B/001

Certified Product Type Fire Stop - Foam
Product Trade Name Firebreak 44
Trademark N/A
Rating/Classification See Appendix

Harmonised Technical Specifications ETAG 026-2 / ETAG 026-3 / EN 13501-2
Supporting Documentation ETA 13/0261, ETA 13/0262, EC – CERTIFICATE OF
CONFORMITY - 0843 – CPD – 0130
Additional information N/A
Expiry date 2025-02-10

Director, Global Market Access Operations
Helena Y. Wolf

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shall remain valid through the Expiration date, unless a Standard identified on this Certificate is amended or withdrawn prior to that date or there is a non-compliance with the Agreement.



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This certificate relates to the use of Firebreak 44 foam for fire stopping where there are joints in or between walls or service penetrations through 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 constructions.

The product is certificated on the basis of:

- i) ETA 13/0261 & ETA 13/0262
- ii) EC – CERTIFICATE OF CONFORMITY - 0843 – CPD – 0130
- iii) Inspection and surveillance of factory production control by UL
- iv) Fire resistance test data in accordance with EN 1366-3: 2009 and 1366-4: 2006
- v) Classification in accordance with EN 13501-2
- vi) Durability and Servicability as defined in ETAG 026-3, Clause 2.4.13*

* Firebreak 44 foam has been tested in accordance with ETAG 026-2 to demonstrate its suitability for use in internal or external sheltered conditions with high or other humidity classes, including temperatures below 0°C but without exposure to rain or UV. These conditions are designated Y₂, Z₁ & Z₂ in ETAG 026-2 and ETAG 026-3.

The movement capability of Firebreak 44 joint seals is restricted to ≤ 7.5%



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FIREBREAK 44: Linear Gaps in Walls								
Substrate	Minimum Substrate Thickness (mm)	Maximum Gap Size (mm)	Seal Position	Minimum Seal Depth (mm)	Backing Material	Minimum Backing Depth (mm)	Fire Resistance (mins.)	
							E	EI
Masonry/ Concrete	150	10	Full depth	150	None	n/a	90	90
		20					60	60
		50	Both Sides	50	Stone Mineral Wool*	50	180	180
			Central	130	None but faced with 10 mm Firebreak 22 on both faces	n/a	240	240
Masonry/ Concrete to Timber	150	20	Full depth	150	None but faces covered with timber architrave fixed with 50 mm steel nails at nominal 300 mm vertical centres	n/a	60**	60**
	92	20	Mid-depth	72 mm + facing of 10 mm Firebreak 22 sealant to both faces	None	n/a	120	120
			Full depth	92	None but faces covered with 10 mm timber architrave fixed with 50 mm steel nails at nominal 300 mm vertical centres	n/a	60	60

* 90 kg/m³, ** EI 90 for joints in vertical orientation



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FIREBREAK 44: Service Penetration Seals in Walls

FIREBREAK 44: Service Penetration Seals in Walls											
Substrate	Minimum Substrate Thickness (mm)	Maximum opening Size (mm)	Penetrating Services	Seal Position	Minimum Seal Depth (mm)	Backing Material	Minimum Backing Depth (mm)	Armaflex 'Class B' **Combustible Nitrile Rubber Insulation	Fire Resistance (mins.)		
									E	EI	
Masonry/Concrete	150	Up to 100 dia. with 5 annular gap	Up to 89mm Ø Steel Pipe 5.0 - 14.2 mm wall thickness	Full depth	150	None	n/a	25mm thick Continuous insulation, interrupted at the seal or a minimum 500 mm on the non-fire side only, or both sides if the fire risk side is unknown	90	90	
		Up to 100 dia. with 7 annular gap	Up to 35mm Ø Copper or steel pipe 1.2-14.2 mm wall thickness					19mm thick Continuous insulation, interrupted at the seal or a minimum 500 mm on the non-fire side only, or both sides if the fire risk side is unknown	90	90	
		Up to 100 dia. with 5 annular gap	Up to 89mm Ø Steel Pipe 5.0 - 14.2 mm wall thickness					None	90	30	
		Up to 100 dia. with 7 annular gap	Up to 35mm Ø Copper or steel pipe 1.2-14.2 mm wall thickness						90	15	
		Up to 50 dia.	5 x 1.5 mm ² core HD604.5 electrical cables up to 15 mm Ø						120	120	
			20 mm diameter 'H6943 XL2 525 H' armoured electrical cables						120	120	
		Up to 40 dia.	30 mm H6943 XL735 H' armoured electrical cable						120	90	
		Up to 100 dia.	5 x 1.5 mm ² core HD604.5 electrical cables up to 15 mm Ø			Stone Mineral Wool*	50		120	120	
			20 mm diameter 'H6943 XL2 525 H' armoured electrical cables						120	120	

* 90 kg/m³, ** Classified to EN 13501-1



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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 Certificate 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.

