

UL-EU CERTIFICATE

Certificate No. UL-EU-01101-CPR
Page 1/5
Date of Issue 2018-12-05

Certificate Holder Arabian Vermiculite Industries
1st Industrial Area
P.O. Box 7137
Dammam 31462
Kingdom of Saudi Arabia

Manufacturer A/003

Certified Product Type Fire Stop - Sealant
Product Trade Name AVIMASTIC
Trademark N/A
Rating/Classification See Appendix

Harmonised Technical Specifications ETAG 026-2/ETAG 026-3/EN 13501-2
Additional information Additional test evidence is held on file
Expiry date 2028-12-04



Head of Notified Body
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shall remain valid through the Expiration date, unless a Standard identified on this Certificate is amended or withdrawn prior to that date or there is a non-compliance with the Agreement.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-01101-CPR
Page 2/5
Date of Issue 2018-12-05

This certificate relates to the use of AVIMASTIC sealant for fire stopping where there are joints in or between walls & floors or 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 120 minutes for differing services and wall/floor constructions.

The product is certificated on the basis of:

- i) Inspection and surveillance of factory production control by UL
- ii) Fire resistance test data in accordance with EN 1366-3: 2009 and 1366-4: 2006
- iii) Classification in accordance with EN 13501-2
- iv) Durability and Servicability as defined in ETAG 026-3, Clause 2.4.13*

* AVIMASTIC sealant has been tested in accordance with BS EN ISO 8339: 2005 and BS EN ISO 9046: 2004 to demonstrate its suitability for use in internal conditions with humidity lower than 85 % RH, excluding temperatures below 0°C, without exposure to rain or UV. These conditions are designated Z₂ in ETAG 026-2 and ETAG 026-3.

The movement capability of AVIMASTIC joint seals is restricted to $\leq 7.5\%$



Appendix UL-EU CERTIFICATE

Certificate No. UL-EU-01101-CPR
 Page 3/5
 Date of Issue 2018-12-05

AVIMASTIC: 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
Drywall/ Masonry/ Concrete	100	30	Both Sides	9	Stone Mineral Wool*	20	90	90
				20	PE or Stone Mineral Wool	N/A	120	120
	15			Stone Mineral Wool*	15			
	130			30	Cardboard sheet	N/A	120	90
				15				
				30			PE Rod	

AVIMASTIC: Linear Gaps in Floors								
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
Concrete	150	100	Top	25	Stone Mineral Wool*	25	120	120

* 40 kg/m³



Appendix UL-EU CERTIFICATE

Certificate No. UL-EU-01101-CPR
 Page 4/5
 Date of Issue 2018-12-05

AVIMASTIC: Service Penetration Seals in Walls									
Substrate	Minimum Substrate Thickness (mm)	Opening Size (mm)	Penetrating Services	Seal Position	Minimum Seal Depth (mm)	Backing Material	Minimum Backing Depth (mm)	Fire Resistance (mins.)	
								E	EI
Drywall/ Masonry/ Concrete	130	Pipe + 20 annular gap	Steel pipe 42 -219 mm diameter and 7.5 – 14.2 mm wall	Both Sides	30	Stone Mineral Wool*	Full depth (min. 70 mm)	120	15
			Copper pipe 28 mm diameter and 1.0 – 14.0 mm wall					120	90
			Copper pipe 42 mm diameter and 1.0 – 14.0 mm wall					120	0
			PP-HT (EN 1451-1: 1998) 42 mm diameter and 4.0 mm wall					120	120
	MDPE (EN 12202-2: 2003) 32 mm diameter and 3.0 mm wall								
	100	85	1 No. 'E' type electrical cable		25	Stone Mineral Wool**	25	120	45

* 40 kg/m³

** 35 kg/m³

E cable = 1 x 185 mm² core HD603.3 electrical cable with PVC insulation, PVC sheath and 23-27 mm diameter



Appendix UL-EU Certificate

Certification Mark	UL-EU mark
Certificate No.	UL-EU-01101-CPR
Page	5/5
Date of Issue	2018-12-05

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.

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