

# UL-EU CERTIFICATE

**Certificate No.** UL-EU-01051-CPR  
**Page** 1/6  
**Date of Issue** 2017-11-24

**Certificate Holder** FSi Limited  
Westminster Industrial Estate  
Tamworth Road  
Measham  
DE12 7DS

**Manufacturer** As above

**Certified Product Type** Fire Stop – Sealant  
**Product Trade Name** Pyrolastic Silicone

**Trademark**



**Rating/Classification** See Appendix

**Harmonised Technical Specifications** ETAG 026-3/ EN13501-2  
**Supporting Documentation** ETA 17/0723, EC - CERTIFICATE OF CONSTANCY OF PERFORMANCE – 1121-CPR-JA5111

**Additional information**

**Expiry date** 2027-11-23



---

**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shall remain valid through the Expiration date, unless a Standard identified on this Certificate is amended or withdrawn prior to that date or there is a non-compliance with the Agreement.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-01051-CPR  
**Page** 2/6  
**Date of Issue** 2017-11-24

This certificate relates to the use of Pyrolastic Silicone Sealant for fire stopping where there are joints in or between walls & floors. 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 seal configurations and wall/floor constructions

The product is certificated on the basis of:

- i) ETA 17/0723
- ii) EC - CERTIFICATE OF CONSTANCY OF PERFORMANCE – 1121-CPR-JA5111
- iii) Inspection and surveillance of factory production control by UL
- iv) Fire resistance test data in accordance with EN 1366-4: 2006
- v) Classification in accordance with EN 13501-2
- vi) Durability and Servicability as defined in ETAG 026-3

The movement capability of Pyrolastic Silicone joint seals is restricted to 7.5%.

The durability class of Pyrolastic Silicone is X - intended for use in conditions exposed to weathering

# Appendix UL-EU CERTIFICATE

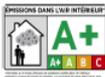
Certificate No. UL-EU-01051-CPR  
 Page 3/6  
 Date of Issue 2017-11-24

Product-type: Sealant		Intended use: Linear Joint & Gap Seal
Basic requirement for construction work	Basic Requirement	Basic requirement for construction work
<b>BWR 1 Mechanical resistance and stability</b>		
	None	Not relevant
<b>BWR 2 Safety in case of fire</b>		
EN 13501-1	Reaction to fire	E
EN 13501-2	Resistance to fire	See page 5
<b>BWR 3 Hygiene, health and environment</b>		
EN 1026:2000	Air permeability (material property)	See page 4
ETAG 026-3, Annex C	Water permeability (material property)	No performance determined
Declaration of Manufacturer	Release of dangerous substances	Declaration of manufacturer
<b>BWR 4 Safety in use</b>		
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 ISO 11600	Adhesion	No performance determined
<b>BWR 5 Protection against noise</b>		
EN 10140-2/ EN ISO 717-1	Airborne sound insulation	No performance determined
EN 10140-3/ EN ISO 717-2	Impact sound insulation	No performance determined
<b>BWR 6 Energy economy and heat retention</b>		
EN 12664, EN 12667 or EN 12939	Thermal properties	No performance determined
EN ISO 12572 EN 12086	Water vapour permeability	No performance determined
<b>General aspects relating to fitness for use</b>		
ISO 8339: 2005, ISO 9046: 2004 & ISO 7389: 2003	Durability and serviceability	X
<b>BWR 7 Sustainable use of natural resources</b>		
-	-	No performance determined

# Appendix UL-EU CERTIFICATE

Certificate No. UL-EU-01051-CPR  
 Page 4/6  
 Date of Issue 2017-11-24

Pyrolastic Silicone: Air Permeability according to BS EN 1314-1				
Pressure (Pa)	Results under positive chamber pressure		Results under negative chamber pressure	
	Leakage (m <sup>3</sup> /h)	Leakage (m <sup>3</sup> /m <sup>2</sup> / h)	Leakage (m <sup>3</sup> /h)	Leakage (m <sup>3</sup> /m <sup>2</sup> / h)
50	0.1	2.8	0.1	2.8
100	0.1	2.8	0.2	5.6
150	0.1	2.8	0.2	5.6
200	0.1	2.8	0.2	5.6
250	0.1	2.8	0.1	2.8
300	0.1	2.8	0.2	5.6
450	0.1	2.8	0.1	2.8
600	0.2	5.6	0.1	2.8

Pyrolastic Silicone: Analytical VOC Results		
Regulation or protocol	Conclusion	Version of regulation or protocol
French VOC Regulation		Regulation of March and April 2011 (DEVL1101903D and DEVL1104875A)
French CMR components	Pass	Regulation of March and April 2011 (DEVL1101903D and DEVL1104875A)
AgBB	Pass	AgBB of February 2015. DIBt of October 2010
Belgian Regulation	Pass	Royal decree of May 2015 (C-2014/24239)
EMICODE	EC 1 PLUS	November 2015
Indoor Air Comfort®	Pass	Indoor Air Comfort 5.3a of March 2015
Indoor Air Comfort GOLD®	Pass	Indoor Air Comfort GOLD 5.3a of March 2015
EN 717-1 <sup>§</sup>	E1	2004
Blue Angel (RAL UZ 123)	Pass	Low-Emission Sealants for Interior Use, April 2009
BREEAM International	Compliant	GN22: BREEAM Recognised Schemes for VOC Emissions from Building Products

Full details of the results given above are included in the test report referenced 392-2017-00014902\_A\_EN.

# Appendix UL-EU CERTIFICATE

Certificate No. UL-EU-01051-CPR  
 Page 5/6  
 Date of Issue 2017-11-24

Pyrolastic Silicone – Fire Resistance Classification according to EN 13501-2								
Configuration			Wall to Wall Joint (rigid wall)					
Substrate	Minimum wall Thickness (mm)	Maximum Gap Size (mm)	Seal Position	Minimum Seal Depth (mm)	Backing Material	Minimum Backing Depth (mm)	Fire Resistance (mins.)	
							E	EI
Concrete/ concrete	150	60	Both Sides	5	Stone Mineral Fibre, min. (60kg/m <sup>3</sup> )	50	240	240
Concrete/ steel							240	60
Concrete/ hardwood							180	180
Concrete/ softwood							240	180
Concrete/ concrete		50	25	PE backing rod	20	240	180	
Configuration			Floor to Floor/Wall Joint (rigid floor/wall)					
Substrate	Minimum floor Thickness (mm)	Maximum Gap Size (mm)	Seal Position	Minimum Seal Depth (mm)	Backing Material	Minimum Backing Depth (mm)	Fire Resistance (mins.)	
							E	EI
Concrete/ steel	150	60	Unexposed face	5	Stone Mineral Fibre, min. (60kg/m <sup>3</sup> )	50	90	45
Concrete/ steel			Exposed face				120	60
Concrete/ concrete			Unexposed face				240	180
Concrete/ concrete			Exposed face				90	60
Concrete/ concrete		12	Unexposed face	6	PE backing rod	20	240	120
Concrete/ concrete		60		30			240	60

# Appendix UL-EU Certificate

<b>Certification Mark</b>	<b>UL-EU mark</b>
<b>Certificate No.</b>	UL-EU-01051-CPR
<b>Page</b>	6/6
<b>Date of Issue</b>	2017-11-24

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](http://www.ul.com).