

UL-EU CERTIFICATE

Certificate No. UL-EU-01051-CPR
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Date of Issue 2017-11-24
Revised 2020-11-26

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 EAD 350141-00-1106, September 2017 / EN13501-2
Supporting Documentation ETA 17/0723, EC - CERTIFICATE OF CONSTANCY OF PERFORMANCE – 2812-CPR-JA5111

Additional information
Expiry date 2027-11-23



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shall remain valid through the Expiration date, unless a Standard identified on this Certificate is amended or withdrawn prior to that date or there is a non-compliance with the Agreement.



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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 – 2812-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 Z₁ - intended for use at internal conditions with high humidity, excluding temperatures below 0°C



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



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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. (45kg/m ³)	50	240	240				
Concrete/ steel							240	60				
Concrete/ hardwood							180	180				
Concrete/ softwood							180	180				
Concrete/ concrete							240	240				
Gypsum Drywall/ Masonry/ Concrete	100	25		20	Stone Mineral Fibre, min. (45kg/m ³)	60	120	120				
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. (45kg/m ³)	50	240	30				
Concrete/ steel			Exposed face				240	60				
Concrete/ concrete			Unexposed face				240	60				
Concrete/ concrete			Exposed face				120	60				
Concrete/ concrete			12				Unexposed face	6	PE backing rod	20	240	120
Concrete/ concrete			60					30			240	90



Appendix UL-EU Certificate

Certification Mark	UL-EU mark
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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 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.

