

# UL-EU CERTIFICATE

**Certificate No.** UL-EU-01025-CPR  
**Page** 1/5  
**Date of Issue** 2016-07-15

**Certificate Holder** FSi Ltd  
Westminster Industrial Estate  
Tamworth Rd  
Measham  
DE12 7DS  
United Kingdom

**Manufacturer** A/011

**Certified Product Type** Fire Stop – Mortar  
**Product Trade Name** Silverseal Compound  
**Trademark** N/A  
**Rating/Classification** See Appendix

**Harmonised Technical Specifications** ETAG 026-2 / EN 13501-2  
**Supporting Documentation** ETA 14/0281, EC – CERTIFICATE OF CONSTANCY OF PERFORMANCE - 1121 – CPR – JA5066  
**Additional information** Additional test evidence is held on file  
**Expiry date** 2026-07-14

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**Certification Manager**  
**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shall remain valid through the Expiration date, unless a Standard identified on this Certificate is amended or withdrawn prior to that date or there is a non-compliance with the Agreement.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-01025-CPR  
**Page** 2/5  
**Date of Issue** 2016-07-15

This certificate relates to the use of Silverseal Compound for fire stopping where services penetrate 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 (E 240 / EI 180).

The product is certificated on the basis of:

- i) ETA 14/0281 EC – CERTIFICATE OF CONSTANCY OF PERFORMANCE 1121 – CPR – JA5066
- ii) Inspection and surveillance of factory production control by UL
- iii) Fire resistance test data in accordance with 1366-3: 2009
- iv) Classification in accordance with EN 13501-2
- v) Durability and Servicability as defined in ETAG 026-2

The durability class of Silverseal Compound is Z<sub>1</sub> - intended for use at internal conditions with high humidity, excluding temperatures below 0°C

# Appendix UL-EU CERTIFICATE

Certificate No. UL-EU-01025-CPR  
 Page 3/5  
 Date of Issue 2016-07-15

|  |  |   |
|--|--|---|
| Product-type: Mortar                               |  | Intended use: Penetration Seal          |
| Basic requirement for construction work            | Basic Requirement                      | Basic requirement for construction work |
| <b>BWR 1 Mechanical resistance and stability</b>   |  |   |
| -  | None                                   | -                                       |
| <b>BWR 2 Safety in case of fire</b>                |  |   |
| EN 13501-1   | Reaction to fire                       | Class F                                 |
| EN 13501-2   | Resistance to fire                     | See page 4                              |
| <b>BWR 3 Hygiene, health and environment</b>       |  |   |
| 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             |
| <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<br>ISO 11600                      | Adhesion                               | No performance determined               |
| <b>BWR 5 Protection against noise</b>              |  |   |
| EN 10140-2/ EN ISO 717-1                           | Airborne sound insulation              | $R_w (C;C_{tr})= 47 (-1;-3)$            |
| 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<br>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          | $Z_1$                                   |
| <b>BWR 7 Sustainable use of natural resources</b>  |  |   |
| -  | -                                      | No performance determined               |

No performance determined

# Appendix UL-EU CERTIFICATE

Certificate No. UL-EU-01025-CPR

Page 4/5

Date of Issue 2016-07-15

| Substrate              | Minimum Substrate Thickness (mm) | Maximum Seal Size (mm) | Seal Position   | Minimum Seal Depth (mm) | Service / Min. 450 mm long Local Interrupted (LS) Insulation   | Fire Resistance (mins.)* |     |
|------------------------|----------------------------------|------------------------|---|-------------------------|--|--------------------------|-----|
|                        |                                  |                        |   |                         |  | E                        | EI  |
| Concrete Floor         | 150                              | 1100 x 1100            | Flush to top of floor   | 100                     | Copper/cast iron pipe 18-107 mm diameter and 0.8 – 1.5 mm wall thickness / 50 mm thick Rockwool H&V pipe section insulation (min 150 kg/m <sup>3</sup> ) | 240                      | 30  |
|                        |                                  |                        |   |                         | Steel pipe 40-165 mm diameter and 3 - 5 mm wall thickness / 50 mm thick Rockwool H&V pipe section insulation (min 150 kg/m <sup>3</sup> )                | 240                      | 120 |
|                        |                                  |                        |   |                         | Electrical cables up to 80 mm diameter / 25 mm thick Rockwool Duct Wrap insulation (min 45 kg/m <sup>3</sup> )   | 120                      | 120 |
|                        |                                  |                        |   |                         | Non-sheathed wire up to 24 mm diameter / 25 mm thick Rockwool Duct Wrap insulation (min 45 kg/m <sup>3</sup> )   | 240                      | 60  |
|                        |                                  |                        | Flush to top of floor + additional step around services above main seal | 100 + 50                | Telecomm cables up to 21 mm diameter, in a bundle of up to 100 mm diameter / 25 mm thick Rockwool Duct Wrap insulation (min 45 kg/m <sup>3</sup> )       | 180                      | 180 |
| Masonry/ Concrete Wall | 150                              | 1100 x 1100            | Any position within the depth of the wall                               | 100                     | Copper/cast iron pipe 18-107 mm diameter and 0.8 – 1.5 mm wall thickness / 50 mm thick Rockwool H&V pipe section insulation (min 150 kg/m <sup>3</sup> ) | 240                      | 30  |
|                        |                                  |                        |   |                         | Steel pipe 40-165 mm diameter and 3 - 5 mm wall thickness / 50 mm thick Rockwool H&V pipe section insulation (min 150 kg/m <sup>3</sup> )                | 240                      | 120 |
|                        |                                  |                        |   |                         | Electrical cables up to 80 mm diameter / 25 mm thick Rockwool Duct Wrap insulation (min 45 kg/m <sup>3</sup> )   | 180                      | 120 |
|                        |                                  |                        |   |                         | Non-sheathed wire up to 24 mm diameter / 25 mm thick Rockwool Duct Wrap insulation (min 45 kg/m <sup>3</sup> )   | 240                      | 180 |
|                        |                                  |                        |   |                         | Telecomm cables up to 21 mm diameter, in a bundle of up to 100 mm diameter / 25 mm thick Rockwool Duct Wrap insulation (min 45 kg/m <sup>3</sup> )       | 180                      | 180 |
|                        |                                  |                        |   |                         | Steel cable trays and ladders up to 500 mm wide / 25 mm thick Rockwool Duct Wrap insulation (min 45 kg/m <sup>3</sup> )                                  | 90                       | 90  |

\* All pipes are Capped/Uncapped (C/U) and Capped/Capped (C/C) configuration

# Appendix UL-EU Certificate

|                           |                   |
|---------------------------|-------------------|
| <b>Certification Mark</b> | <b>UL-EU mark</b> |
| <b>Certificate No.</b>    | UL-EU-01025-CPR   |
| <b>Page</b>               | 5/5               |
| <b>Date of Issue</b>      | 2016-07-15        |

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