

# UL-EU CERTIFICATE

**Certificate No.**  
UL-EU-01302-EN

**Issue date**  
2024-11-18

**Issue No.**  
2

**Re-Issue date**  
2025-12-11

**Expiry date**  
2034-11-17



4705

**This is to acknowledge that:**  
Triton Middle East LLC

**Address:**  
PO Box 3350  
New Sanaya Industrial Area  
Umm AL Quwain  
United Arab Emirates

**Has had the product:**  
HEATSHIELD S600

evaluated and meets the requirements of the standard(s):

EAD 350141-00-1106, September 2017

**Places of production:**  
U/003

Authorised Signatory:

A handwritten signature in blue ink, appearing to read 'Chris Johnson'.

Chris Johnson  
Issued by UL International (UK) Ltd

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shall remain valid through the Expiration date, unless a Standard identified on this Certificate is amended or withdrawn prior to that date or there is a non-compliance with the Agreement.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 UL-EU-01302-EN

This certificate relates to the use of HEATSHIELD S600, is a fire-resistant silicone sealant used to form linear gap seals where gaps are present in wall and floor constructions.

The detailed scope is given in pages 4 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 (EI 240).

- 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 1366-4:2021
  - iii) Classification in accordance with EN 13501-2:2016
  - iv) Durability and Serviceability as defined in EAD 350141-00-1106, September 2017.

According to EN 13501-2: 2023, Clause 7.5.8.4, the following classification codes are defined in addition E & EI:

Test conditions	Designation
Specimen orientation - Horizontal supporting construction - Vertical supporting construction – vertical joint - Vertical supporting construction – horizontal joint	H V T
Movement capability - No movement - Movement induced lateral (in%) - Movement induced lateral (in%)	X M <sub>lat</sub> 000 M <sub>shear</sub> 000
Type of splices - Manufactured - Field - Both manufactured and field	M F B
Joint widths range (in mm)	W w1 to w2
e.g. EI 30 – H – M <sub>lat</sub> 30 – B – W 30 to W 90	



# Appendix UL-EU CERTIFICATE UL-EU-01302-EN

## Performance of the product and references to the methods used for its assessment

Product-type: Sealant		Intended use: Linear Joint & Gap Seal	
Basic requirement for construction work	Essential characteristic	Performance	
<b>BWR 2 Safety in case of fire</b>			
EN 13501-1	Reaction to fire	Class E	
EN 13501-2	Resistance to fire	Annex A	
<b>BWR 3 Hygiene, health and the environment</b>			
Declaration of manufacturer & EN 16516	Content, emission and/or release of dangerous substances	Use categories: IA1, S/W2 Declaration of manufacturer	
EN 1026:2000	Air permeability (material property)	No performance determined	
EAD 350141-00-1106, Annex C & EN 12390-8	Water permeability (material property)	No performance determined	
<b>BWR 4 Safety and accessibility 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 & EAD 350141-00-1106, Clause 2.2.13	Adhesion	No performance determined	
EAD 350141-00-1106, Clause 2.2.12	Durability	Z <sub>1</sub>	
EAD 350141-00-1106, Clause 2.2.13	Movement capacity	No performance determined	
EAD 350141-00-1106, Clause 2.2.14	Cycling of perimeter seals for curtain walls	No performance determined	
EAD 350141-00-1106, Clause 2.2.15	Compression set	No performance determined	
EAD 350141-00-1106, Clause 2.2.16	Linear expansion on setting	No performance determined	
<b>BWR 5 Protection against noise</b>			
EN 10140-1,2,4,5/ EN ISO 717-1	Airborne sound insulation	No performance determined	
<b>BWR 6 Energy economy and heat retention</b>			
EN 12664, EN 12667, EN 12939, EN ISO 8990, EN ISO 6946, EN ISO 10456	Thermal properties	No performance determined	
EN ISO 12572, EN 12086, EN ISO 10456	Water vapour permeability	No performance determined	



# Appendix UL-EU CERTIFICATE UL-EU-01302-EN

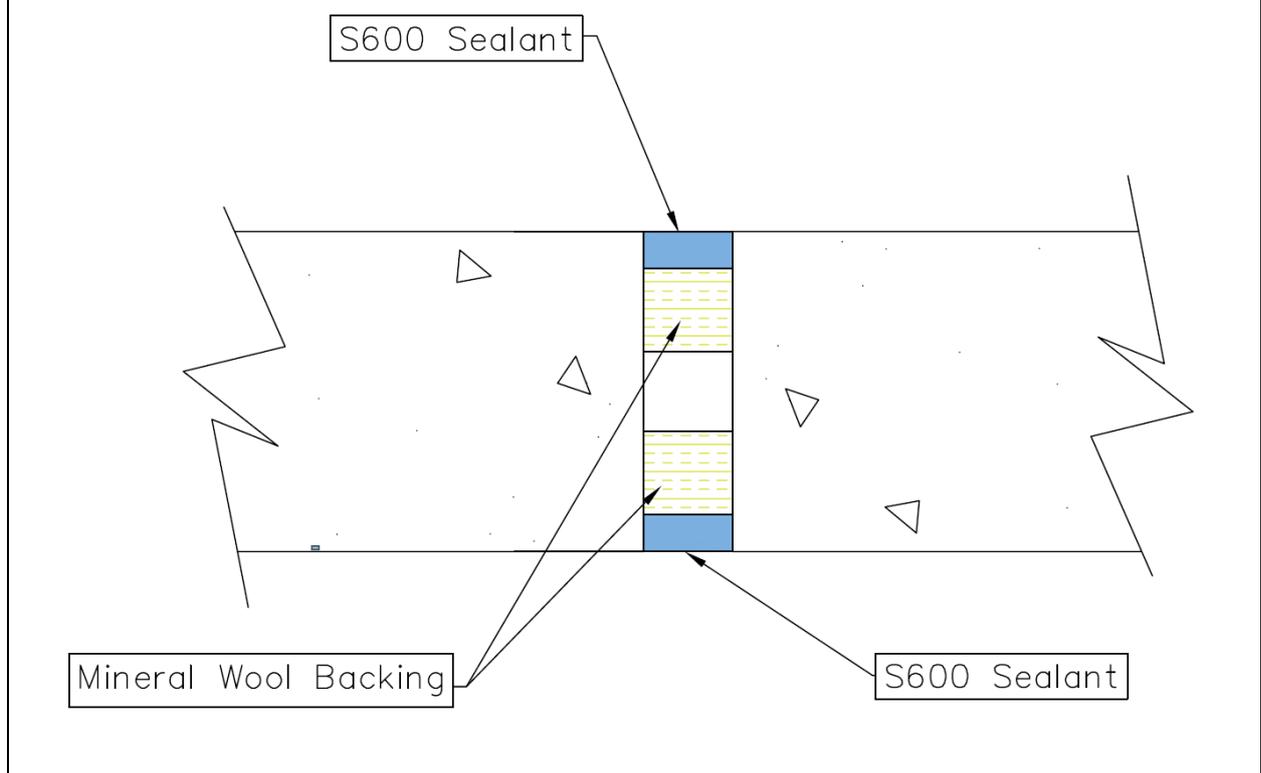
## ANNEX A – Resistance to Fire Classification – HEATSHIELD S600

### A.1 Rigid wall constructions with wall thickness of minimum 120 mm

#### A.1.1 Linear joint seals between walls (vertical)

**Joint Seal:** HEATSHIELD S600 to both sides of the wall backed with mineral stone wool (50kg/m<sup>3</sup>) with a min. compression of 50% across the joint width. Backing material to be recessed from surface of wall to accommodate required sealant thickness.

Construction details:



Substrate	Sealant depth [mm]	Maximum joint width [mm]	Backing (minimum)	Classification
Concrete	12	20	45 mm depth	EI 240-V-X-B-W10 to W20
	17	35	40 mm depth	EI 240-V-X-B-W10 to W35
	25	50	35 mm depth	EI 240-V-X-B-W10 to W50



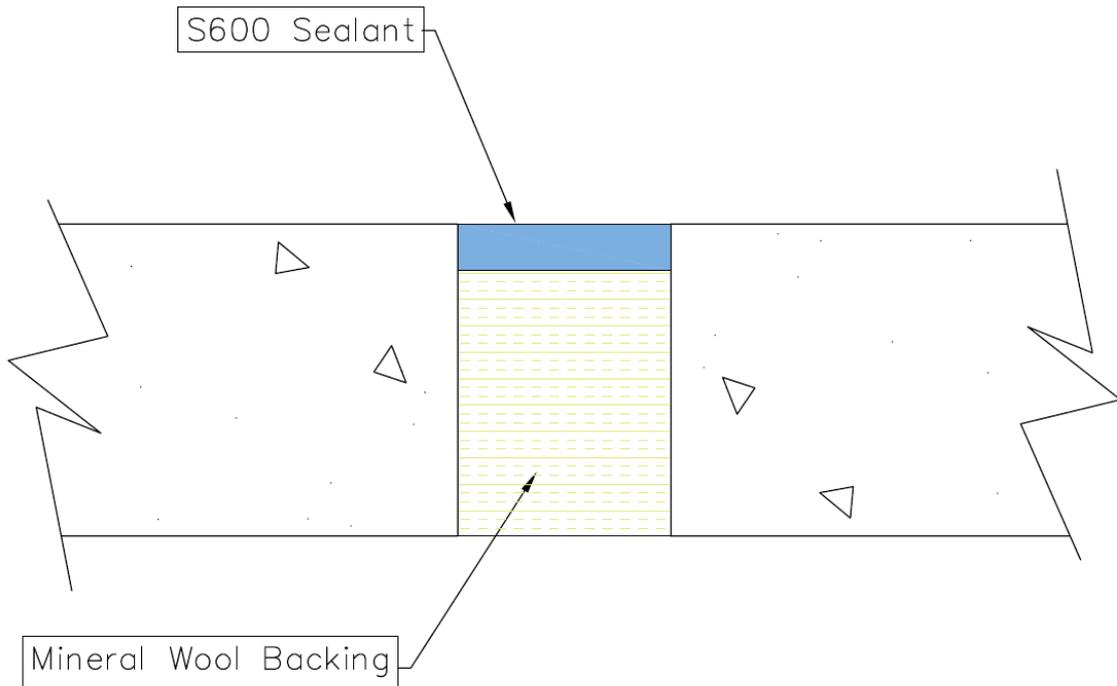
# Appendix UL-EU CERTIFICATE UL-EU-01302-EN

## A.2 Rigid floor constructions with floor thickness of minimum 150 mm

### A.2.1 Linear joint or gap seal between floor slabs

**Joint Seal:** HEATSHIELD S600 applied flush to top side of floor backed with mineral stone wool (50kg/m<sup>3</sup>) with a min. compression of 50% across the joint width. Backing material to be recessed from surface of floor to accommodate required sealant thickness.

Construction details:



Substrate	Sealant depth [mm]	Maximum joint width [mm]	Backing (minimum)	Classification
Concrete	12	25	138 mm depth	EI 120-H-X-B-W 00 to W 25
	25	50	125 mm depth	EI 120-H-X-B-W 00 to W 50



## Appendix UL-EU CERTIFICATE UL-EU-01302-EN

The UL-EU Marks, displayed below represent the enhanced and alternate version of the product marking. Either Mark can be used. These Marks shall appear on certified products only. Minimum size is not specified, as long as the Mark is legible. The following is suggested.



\*Note: E12345 is an example of the UL file number.

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 and UL File 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).