

UL-EU CERTIFICATE

Certificate No.
UL-EU-01266-EN

Issue date
2023-06-16

Issue No.
3

Re-Issue date
2026-03-05

Expiry date
2033-06-15



4705

This is to acknowledge that:
Siderise Insulation Ltd

Address:
Forge Industrial Estate
Nantfyllon
Maesteg
CF34 0AH
UK

Has had the product:
SIDERISE® CW-FS

evaluated and meets the requirements of the standard(s):
EAD 350141-00-1106, September 2017 / EN 13501-2

Places of production:
Siderise Insulation Ltd, Forge Industrial Estate, Nantfyllon
Maesteg, CF34 0AH, UK

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shall remain valid through the Expiration date, unless a Standard identified on this Certificate is amended or withdrawn prior to that date or there is a non-compliance with the Agreement.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-01266-EN

This certificate relates to the use of SIDERISE® CW-FS for fire stopping where there are gaps between the spandrel panels of curtain walls and the edge of a concrete floor. 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 (EI 120).

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 1364-4: 2014
- iii) Classification in accordance with EN 13501-2
- iv) Durability and Serviceability as defined in EAD 350141-00-1106

The durability class of SIDERISE® CW-FS is Z₁ – intended for use at internal conditions with high humidity, excluding temperatures below 0°C.

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 _{lat} 000 M _{shear} 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 _{lat} 30 – B – W 30 to W 90 | |



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| Product-type: Stone wool perimeter joint seal | | Intended use: Perimeter Seal for Curtain Walls |
|--|--|--|
| Basic requirement for construction work | Essential characteristic | Performance |
| BWR 2 Safety in case of fire | | |
| EN 13501-1 | Reaction to fire | Class A1 |
| EN 13501-2 | Resistance to fire | See pages 4 & 5 |
| BWR 3 Hygiene, health and environment | | |
| Declaration of manufacturer & EN 16516 | Content, emission and/or release of dangerous substances | Use categories: IA1 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 |
| 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 & EAD 350141-00-1106, Clause 2.2.13 | Adhesion | No performance determined |
| EAD 350141-00-1106, Clause 2.2.12 | Durability | Z ₁ |
| EAD 350141-00-1106, Clause 2.2.13 | Movement capacity | See cycling of perimeter seals for curtain walls |
| EAD 350141-00-1106, Clause 2.2.14 | Cycling of perimeter seals for curtain walls | ±10% Cycle tested at 30 cpm |
| 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 |
| BWR 5 Protection against noise | | |
| EN 10140-1,2,4,5/ EN ISO 717-1 | Airborne sound insulation | No performance determined |
| BWR 6 Energy economy and heat retention | | |
| 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 |

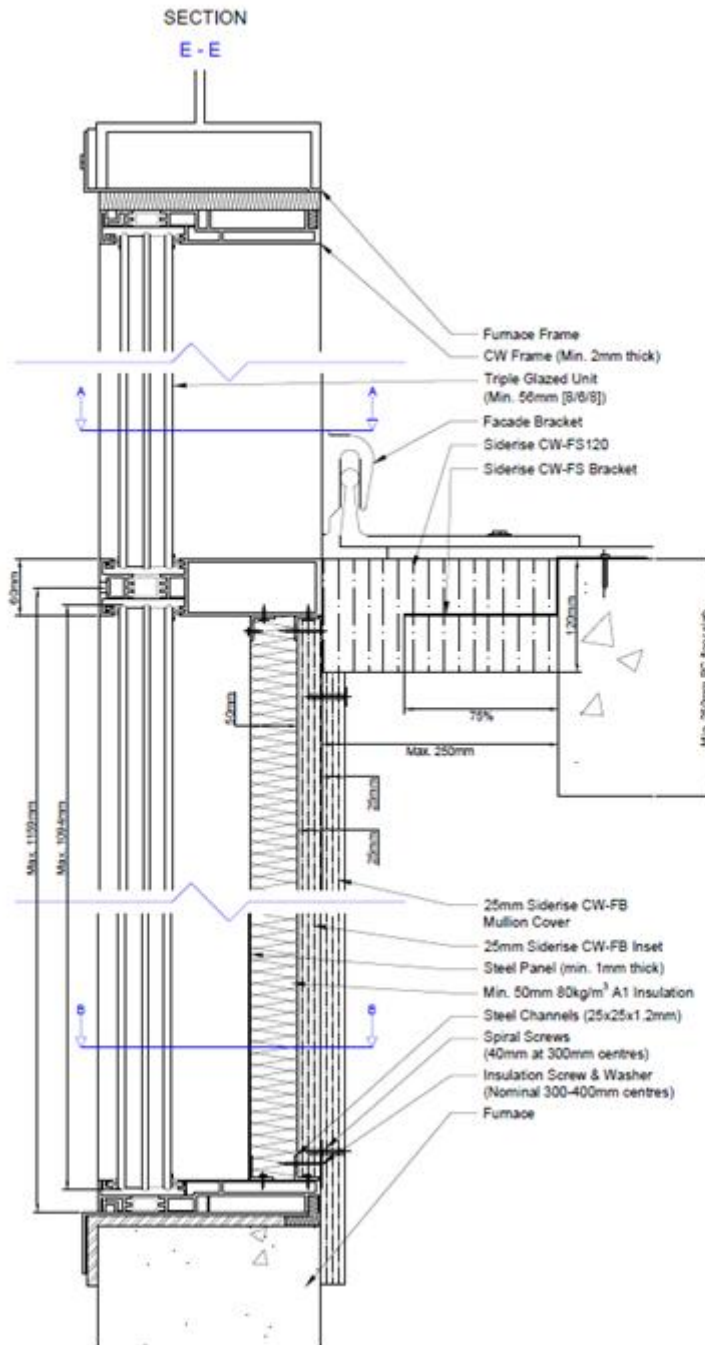


Appendix UL-EU CERTIFICATE UL-EU-01266-EN

CW-FS 120 between minimum 250mm deep concrete floor to the spandrel panel of curtain wall, minimum 1000mm high and lined with 50mm stone wool insulation plus 25mm thick SIDERISE® CW-FB over the entire surface between the frame work

Perimeter Seal: Minimum 120mm deep SIDERISE® CW-FS fitted flush to the top of the floor with 10% compression and steel brackets at maximum 600mm centres

Construction details:



Classification

EI 120 – H – M 10 – F – W 250



Solutions

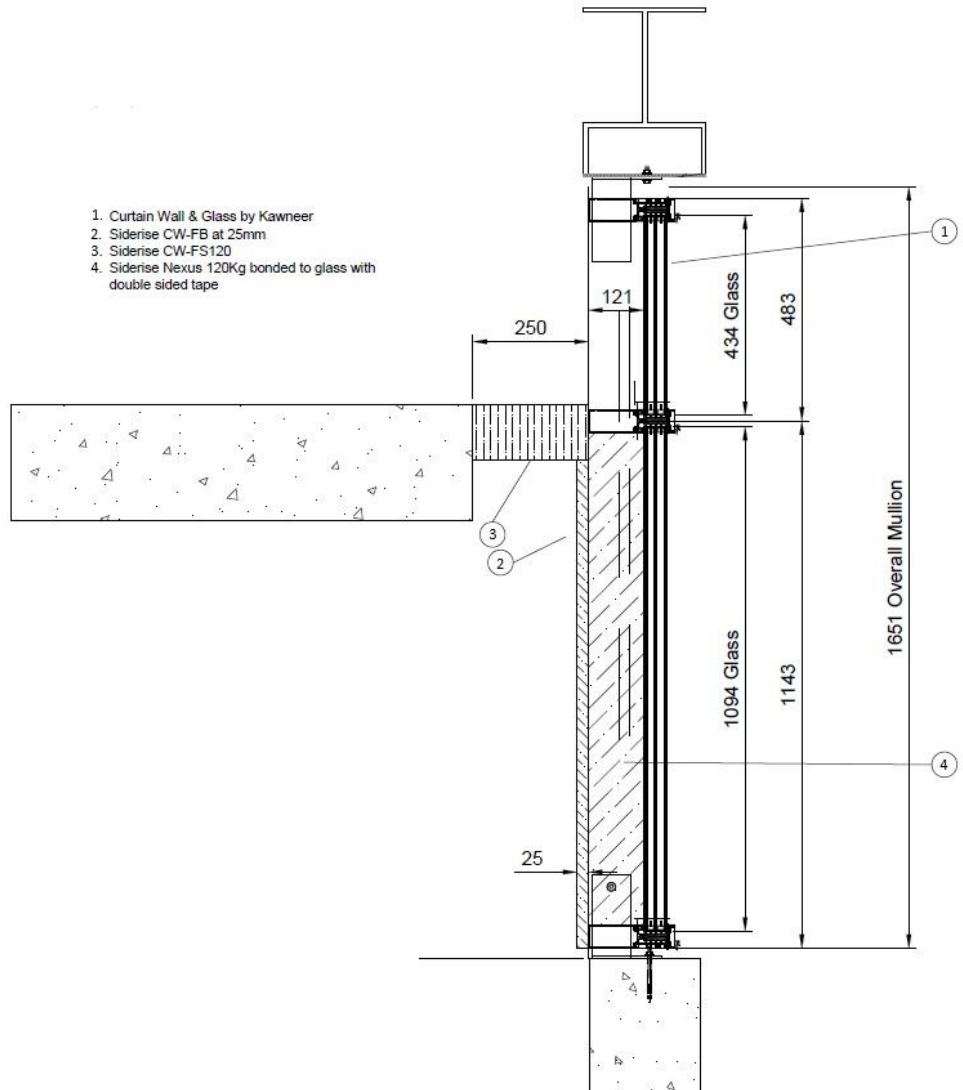
Form-ULID-006104 V10.0

Appendix UL-EU CERTIFICATE UL-EU-01266-EN

CW-FS 120 between minimum 200mm deep concrete floor to the spandrel panel of curtain wall and lined with 120mm Siderise Nexus Fusion insulation plus 25mm thick SIDERISE® CW-FB covering the aluminium framing. Joints between CW-FS and Siderise Nexus Fusion sealed with nominal bead of sealant, splices and joints between CW-FB and Siderise Nexus Fusion sealed with aluminium tape.

Perimeter Seal: Minimum 120mm deep SIDERISE® CW-FS fitted flush to the top of the floor with 3.8% compression and Siderise B195 brackets impaled to 75% of the CW-FS at maximum 600mm centres

Construction details:



Classification

EI 120 – H – X – F – W 250



Solutions

Form-ULID-006104 V10.0

Appendix UL-EU CERTIFICATE UL-EU-01266-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.

