

CERTIFICATE OF CONFORMITY

Issue: **03**Certificate number: **ESL-223211501**

Pursuant to provisions of the Certification scheme on Global Conformity Certification of fire and life safety products (CS-GCC, scheme type 5), Emirates Safety Laboratory hereby grants this certificate of conformity to the product described below:

Perimeter Fire Barrier System, Siderise CW-FS 120

Placed on the market under the name or trade mark of:

Siderise Insulation Limited
Forge Industrial Estate, Maesteg,
Bridgend, CF34 0AH United Kingdom

Manufactured in the following location(s):

Siderise Insulation Limited
Forge Industrial Estate, Maesteg,
Bridgend, CF34 0AH United Kingdom

Complies with the requirements of the standard(s) as detailed below:

EN 1364-4:2014 Fire resistance tests for non-loadbearing elements - Part 4: Curtain walling – Part configuration

The certificate was first issued on **12 August 2022** and remains valid under the condition that the Certificate Holder fulfils the requirements of the agreement on certification supervision no. **0134/ESL/GCC/2023**.



Signed for ESL

Tomasz Kielbasa
Certification Manager

17 August 2023
Date of issue

16 August 2026
Expiry date

This Certificate remains valid till date stated above, unless suspended, withdrawn or terminated. This certificate will not be valid if the manufacturer makes any changes affecting product conformity, which have not been notified to, and agreed in writing with ESL. This Certificate is an electronic document and shall not be reproduced (in any form) except in full. Certificate holder is under an obligation to make references to issued certificate only in conjunction with product(s) that conform to evaluated product construction. Prior to use of this certificate, please verify its validity at ESL directory

Appendix to Certificate of Conformity

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CERTIFIED PRODUCT:

Product Description:

Perimeter fire barrier system, Siderise CW-FS 120 for curtain walling uses a method of manufacture that provides lateral compression. The materials comprise a one-piece product (120 mm thick) with a pre-compressed non-combustible stone wool core (nominal density 75 kg/m³). The products also have integral aluminium foil facing on top and bottom of CW-FS 120. The primary function of the Siderise CW-FS 120 system is to maintain continuity of fire resistance by sealing the void between the compartment floors and the external curtain wall horizontally.



Product Overview:

Product	Test Standard	Rating	The maximum gap between the floor and the curtain wall
System Design: SSD.ESL.01			
Siderise CW-FS 120	EN 1364-4:2014	Integrity: 120 minutes Insulation: 90 minutes	300 mm
System Design: SSD.ESL.02			
Siderise CW-FS 120	EN 1364-4:2014	Integrity: 120 minutes Insulation: 120 minutes	250 mm
System Design: SSD.ESL.03			
Siderise CW-FS 120	EN 1364-4:2014, with movement capability, according to EAD 350141-00-1106 Clause 2.2.14, "Cycle tested at 30 CPM" rate	Integrity: 120 minutes Insulation: 120 minutes	250 mm

Notes:

- Installation of Siderise CW-FS 120 perimeter fire barrier system shall be as per the manufacturer design document mentioned below:
 - SSD.ESL.01 dated: 28.09.2022 for 300 mm maximum gap between floor and curtain wall.
 - SSD.ESL.02 dated: 28.09.2022 for 250 mm maximum gap between floor and curtain wall.
 - SSD.ESL.03 dated: 28.09.2022 for 250 mm maximum gap between floor and curtain wall.

Important note: Substitution of any component is not permitted.

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2. Siderise CW-FS 120 perimeter fire barrier cut to strips as per the slab edge void incorporating an additional 10% compression for system design SSD.ESL.01 & design SSD.ESL.02 and 12% compression for system design SSD.ESL.03 respectively. Each strip has a maximum length of 1200 mm and shall be installed with both top and bottom integral foil facings exposed.
3. All the fixing brackets are to be mechanically fixed to the structure, per the manufacturer's instructions.
4. Reduction in spandrel height is permissible as per clause 13.1.4.4.2.1 of the test standard EN 1364-4:2014.
5. The Siderise CW-FS 120 Perimeter Barrier System complies with the perimeter barrier system specifications outlined in Chapter 1, Section 3.3, Clause 3.3.5 of the UAE Fire & Life Safety Code of Practice (2018).

Limitations:

1. Void width (the maximum gap between the floor and curtain wall) where Siderise CW-FS 120 perimeter fire barrier system will be installed shall be not more than the maximum allowable gap according to each fire rating.
2. Movement capability of the perimeter fire barrier is not a subject of the EN 1364-4:2014 requirements. According to clause A.3.4. of EN 1364-4:2014, this product performance requires independent evaluation to the requirements of European Assessment Document (EAD) no. 350141-00-1106 (which replaced ETAG 026-3). The evaluation of the perimeter fire barrier movement capability was carried out for the system design ref. No. SSD.ESL.03, as noted above.
3. This certificate does not include the system/product's end-use as a linear joint fire-stopping system.
4. This certificate covers the perimeter barrier as a system and does not evaluate the system's individual components separately.


Signed for ESLTomasz Kielbasa
Certification Manager17 August 2023
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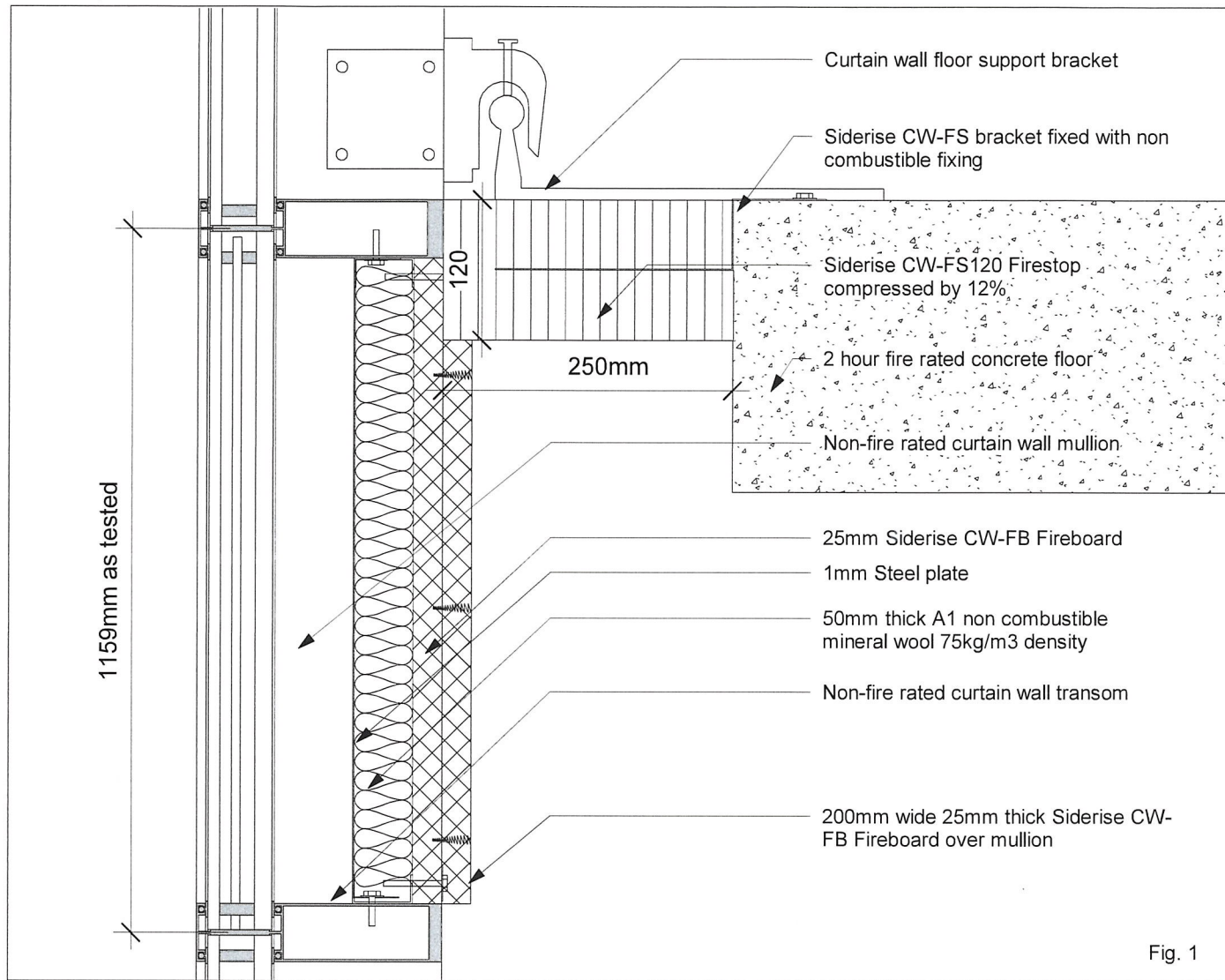


Fig. 1

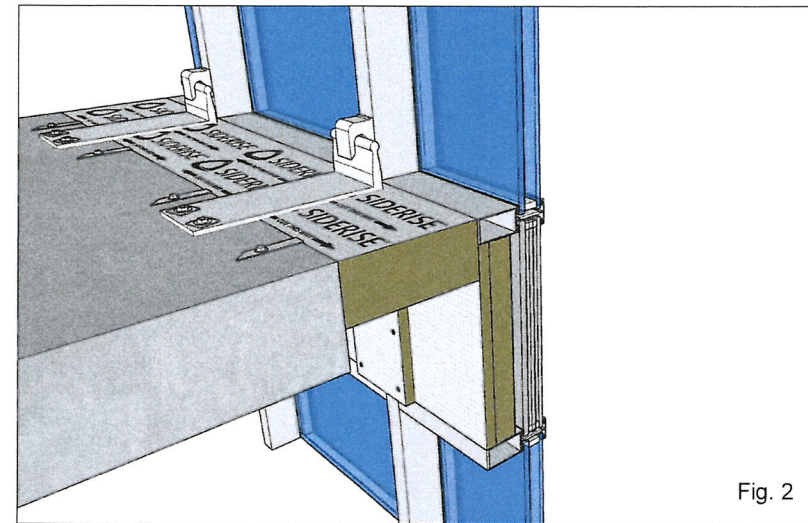


Fig. 2

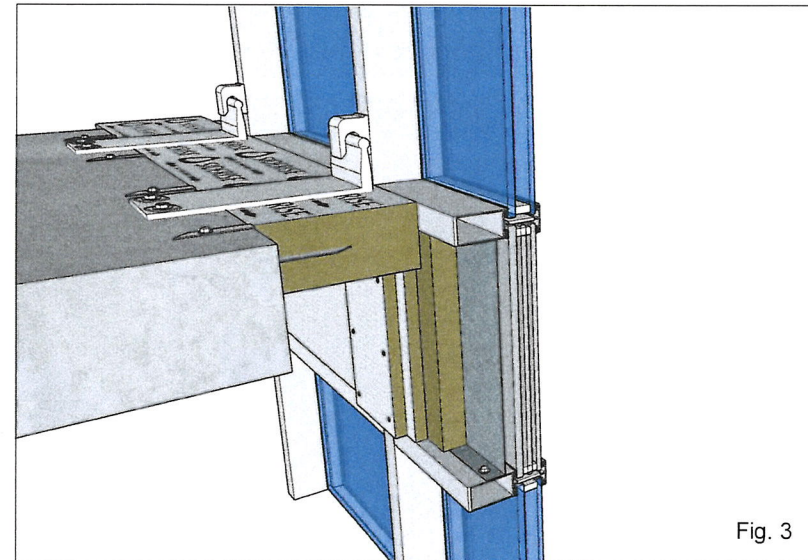


Fig. 3

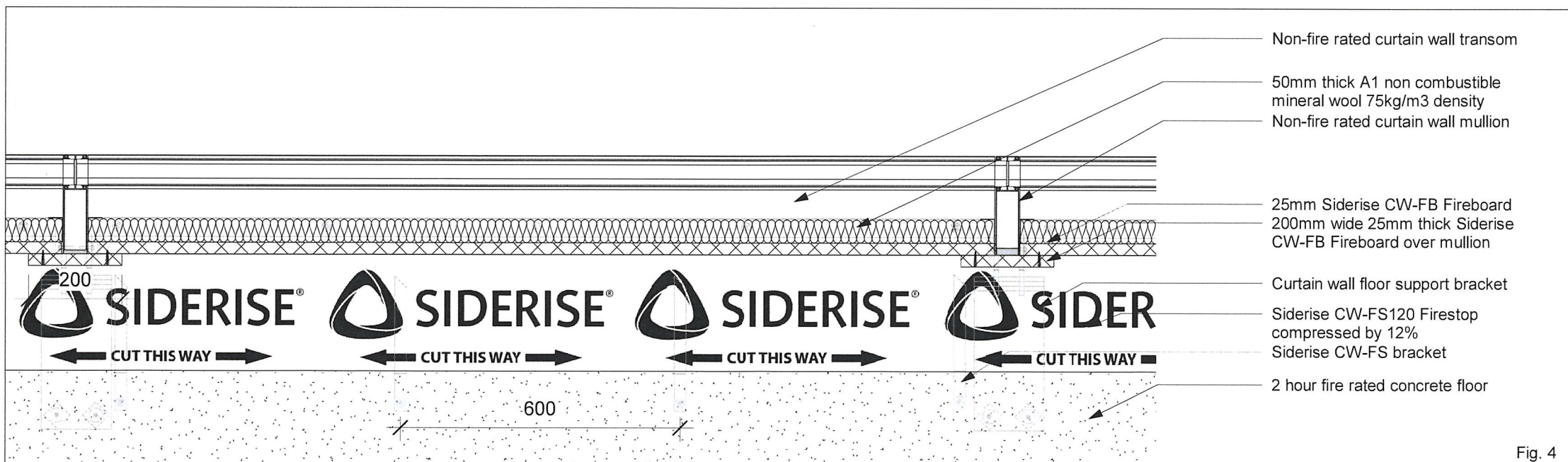


Fig. 4

Figure list		
Number	Description	Scale
1	Vertical Section	1:5
2	Rear Isometric	NTS
3	Rear Isometric Cut Away	NTS
4	Horizontal Section	1:10

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VERIFIED BY:
 Certification Engineer: *[Signature]*
 Certification Manager: *[Signature]*

We are satisfied that this document accurately represents the relevant portion of the item, materials, or assembly as tested concerning certification No. **ESL-2232.11501 Issue.03**

Users of certification documents must be aware that the sample tested and certified may differ from what is proposed or installed on site, and that the precise details may be critical to achieving similar performance and therefore, suitability for any specific application. The obligation of the certification body is limited to taking reasonable measures to ensure that the continued production of manufactured elements remains consistent with what was tested. However, systems or assemblies typically differ from project to project, and the applicability of sample described in the certification documents is solely the responsibility of the project design professional. Our Certification listings can be viewed at: www.EmiratesLaboratory.com

SIDERISE®
 integrity in all we do
 Siderise Insulation Limited
 Forge Industrial Estate, Maesteg,
 Bridgend, CF34 0AH

Siderise CW-FS Siderise CW-FB
 Curtain wall system

UL Report
 4789510502-1

SSD.ESL.03.

DATE	DRWN	CHKD	REV.
28.09.22	MP	SN	A