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## CERTIFICATE OF APPROVAL

### No CF 563

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This is to certify that, in accordance with  
TS00 General Requirements for Certification of Fire Protection Products  
The undermentioned products of

## SIDERISE INSULATION LIMITED

Forge Industrial Estate, Maesteg,  
Bridgend, CF34 0AZ  
Tel: 01656 730833 Fax: 01656 812509

Have been assessed against the requirements of the Technical Schedule(s)  
denoted below and are approved for use subject to the conditions  
appended hereto:

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#### CERTIFIED PRODUCT

Siderise 'CW-FS' Firestops (BS  
EN 1364-4)

#### TECHNICAL SCHEDULE

TS 39 Fire Resisting Cavity  
Barriers

Signed and sealed for and on behalf of Exova (UK) Limited trading as  
Warrington Certification

Paul Duggan  
Certification Manager



Issued: 25<sup>th</sup> February 2008  
Revised: 7<sup>th</sup> February 2019  
Valid to: 6<sup>th</sup> February 2024





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### SIDERISE INSULATION LIMITED

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#### Siderise CW-FS Fire Stops - BS EN 1364 Part 4

This Certificate of Approval relates to the fire resistance of Siderise CW-FS; firestops when used in the following application.

<b>Application</b>
Between concrete floor slabs and external façade assemblies

This approval uses the Integrity and Insulation criteria defined in BS EN 1364 Part 4.

The products are approved on the basis of:

- i) Initial type testing.
- ii) A design appraisal against TS39.
- iii) Certification of quality management system to ISO 9001: 2015.
- iv) Inspection and surveillance of factory production control.
- v) Audit testing.

This Certificate of Approval must be read in conjunction with CERTIFIRE Technical Schedule TS39, Fire Resisting Cavity Barriers.

#### General Requirements

Cavity barriers and firestops shall not be penetrated by services, e.g. pipes or cables.

#### Approved products, applications and fire resistance periods

This certificate approves the products and applications detailed within the following table subject to the installation of the products in accordance with the manufacturer's installation instructions.

The approval relates to cavity barrier applications involving external façade assemblies tested in accordance with BS EN 1364 Part 4. Only the specific types of constructions defined in the test reports ref may be considered as relevant to this Certification

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### Siderise 'CW-FS' Firestops (BS EN 1364-4)

Gap Width (mm)	Product	Seal Thickness (mm)	Compression %			Cover Length (mm)	Bracket Requirement
				Integrity (mins)	Insulation (mins)		
20 to 50	CW-FS120	120	10%	120		1200	2 No. Standard brackets B65/110 per length at 600mm nominal centres, brackets to be mechanically fixed to structure
	CW-FS180	150		180			
51 to 100	CW-FS120	120		120			
	CW-FS180	150		180			
151 to 250	CW-FS120	120		120			
	CW-FS180	150		180			
						2 No. Standard brackets B195 per length at 600mm nominal centres, brackets to be mechanically fixed to structure	

The Certificated scope for the Siderise 'CW-FS' cavity barrier has been derived from fire resistance testing in accordance with BS EN 1364-4 . For specific installation and construction details the following test reports should be utilised:

WF 317785 – Dated 18<sup>th</sup> June 2012  
 EFR-15-U-001110 Dated 30<sup>th</sup> May 2016  
 EFR-17-U-000353 Dated 16<sup>th</sup> August 2018  
 EFR-17-U-000351 Dated 22<sup>nd</sup> January 2018





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#### Siderise CW-FS Cavity Barriers and Fire Stops

##### Installation and fixing

The products are supplied either pre-cut or in sheet form to allow site cutting. Care shall be taken to ensure that the required over sizing of the cavity barriers and firestops given in the tables is strictly observed.

Unless otherwise indicated the seals shall be correctly supported by steel brackets supplied by the manufacturer in compliance with the required bracket type and frequency detailed in the tables. Brackets shall be pushed into the seal such that it is impaled at mid-thickness, with one leg extending to nominally 75% of the gap width. The steel angle should be fixed with suitable fire rated fixings.

##### Jointing

The joints between the lengths of slab shall be straight butt joints and shall be fitted in slight compression so that they are tight. RFT120/45 self-adhesive reinforced aluminium foil tape shall be applied over the joints.

##### Gap Stability

The gap stability is a fundamental requirement in order to achieve fire compartmentation when utilising these products and it should be noted that the fire stops will only function to the specified rating providing the gap stability does not deviate greater than the specified compression tolerances stated in the tables. Appropriate external façade support systems should be designed and installed to limit this potential movement at the elevated temperatures of a fire and, should the gap increase beyond these tolerances and or fail completely in the event of a fire, then the fire stop will cease to function.

The approval relates to on going production. Products and/or their immediate packaging are identified with the manufacturer's name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number (i.e. No. CF 563) and application where appropriate.

##### Further Information

Further information regarding the details contained in this certificate may be obtained from Siderise Insulation Limited (Tel: 01656 730833).

Further information regarding CERTIFIRE certification and other approved products can be obtained from CERTIFIRE (Tel: 01925 646777).

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