



CERTIFICATE OF APPROVAL

No CF 563

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:

CERTIFIED PRODUCT

Siderise 'CW-FS' Firestops (BS
EN 1364-4 & BS EN 1366-4)

TECHNICAL SCHEDULE

TS 39 Fire Resisting Cavity
Barriers

Signed and sealed for and on behalf of Warringtonfire Testing and Certification Limited

Paul Duggan
Certification Manager

Issued: 25th February 2008
Revised:: 10th July 2019
Next audit test due: 10th July 2022
Frequency: 3 years
Valid to: 6th February 2024





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SIDERISE INSULATION LIMITED

This certification is provided to the client for their own purposes and we cannot opine on whether it will be accepted by Building Control authorities or any other third parties for any purpose.

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.

Application
Between concrete floor slabs and external façade assemblies

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

This approval also relates to the use of Siderise CW-FS Seals for the fire protection of cavities within walls and floors. The detailed scope is given in the Approval Matrix included in this Certificate. This shows the thickness, width and reference for Siderise CW-FS Seals, required to provide fire resistance periods in accordance BS EN 1366-4 2006 for up to 120 minutes for floor and wall constructions.

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) Horizontal Orientation

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 150	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 18th June 2012
 EFR-15-U-001110 Dated 30th May 2016
 EFR-17-U-000353 Dated 16th August 2018
 EFR-17-U-000351 Dated 22nd January 2018





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Siderise 'CW-FS' Firestops (BS EN 1366-4) Horizontal Orientation

Seal Thickness (mm)	Product	Cover Length (mm)	Compression Minimum (mm)	Integrity (minutes)	Insulation (minutes)	Gap Width (mm)	Bracket Requirement	Qty Bkts	Bracket Centres (mm)
75	CW-CB30	1200	Gap Width +10mm	90	30	51-150	B65/110	2	600
						151-240	B195		
						241-300	B355		
90	CW-FS60	1200	Gap Width +10mm	90	60	51-150	B65/110	2	600
						151-240	B195		
						241-300	B355		
120	CW-FS120	1200	Gap Width +10mm	120	120	51-150	B65/110	2	600
						151-240	B195		
						241-300	B355		

The Certificated scope for the Siderise 'CW-FS' cavity barrier has been derived from fire resistance testing in accordance with BS EN 1366-4. For specific installation and construction details the following test reports should be utilised:

WF 399726
WF 408622
WF 348661

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Siderise 'CW-FS' Firestops (BS EN 1366-4) Vertical Orientation
Concrete to concrete substrates

Product	Seal Thickness (mm)	Cover Length (mm)	Compression Minimum (mm)	Integrity (minutes)	Insulation (minutes)	Gap Width (mm)	Bracket Requirement	Qty Bkts	Bracket Centres (mm)
CW-CB30	75	1200	Gap Width +10mm	90	30	51-150	B65/110	2	600
						151-240	B195		
						241-300	B355		
						301-450	B355		
CW-FS60	90	1200	Gap Width +10mm	90	60	51-150	B65/110	2	600
						151-240	B195		
						241-300	B355		
CW-FS120	120	1200	Gap Width +10mm	120	120	51-150	B65/110	2	600
						151-240	B195		
						241-300	B355		
						301-450	B355		

The Certificated scope for the Siderise 'CW-FS' cavity barrier has been derived from fire resistance testing in accordance with BS EN 1366-4. For specific installation and construction details the following test reports should be utilised:

WF 389382
WF 398827

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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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