

Making the world a safer place

Passive fire and acoustic solution specialist



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Our vision is to be a global leader in passive fire solutions for the building envelope

Our values



Customer first

Putting customer satisfaction, safety and trust at the heart of everything we do.



Safety matters

Creating a safer world starts in our own facilities and within our own culture.



Integrity in all we do

Doing the right thing to ensure all our stakeholders can be confident in our solutions and guidance.



Respect for each other

Recognising success is a team effort where everyone is ready and able to play their part.



Strive for betterment

Pushing the boundaries and always seeking improvement, ensuring our eyes are firmly fixed on the future.

History of Siderise



Our global presence

Siderise Group is committed to the development of high-performing passive fire insulation products, acoustic solutions and support services for a safer built environment. For over 50 years Siderise has been the UK's leading manufacturer of firestop and acoustic barrier systems for the cladding and curtain wall façade industry. This reach has expanded globally, with the first international office opening in Dubai in 2018 followed by India, Europe and the United States as well as presence in Singapore, Australia and New Zealand.

Our passive fire protection products incorporate a unique lamella orientation of the stonewool fibres, which gives Siderise products a flexibility of design. It's these attributes which provide optimum performance combined with practical installation. Siderise leverages insight from established distributor, customer, and market relationships to develop innovative products, resulting in an exceptional service offering for key customers such as architects, developers, and installation contractors.

Siderise has invested heavily in product testing over the last decade, to ensure compliance with building regulators, various industry bodies and third-party certifiers. Our Vision is to become a global leader in passive fire solutions for the building envelope, establishing a position as the supplier of choice to the world's premier architects, developers, contractors, and installers. Our product range meets the rigorous performance expectations of the specifier, along with the resource efficiency and practical installation needs of the contractor, leaving a lasting legacy of passive fire protection throughout the life of the building.



Trail blazers in the field of fire insulation



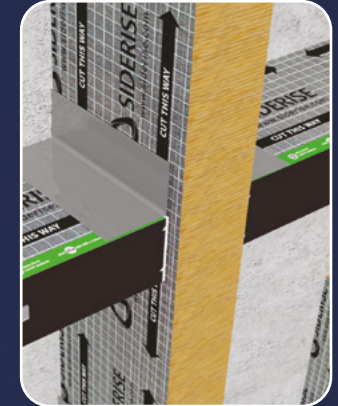
Siderise is an innovation leader in the sector



First to develop, test and certify one-piece dry fit fire stop solutions



Our own UKAS accredited test centre



First to develop open state Cavity Barrier products for ventilated façades



First to provide a digital means of site inspection and reporting

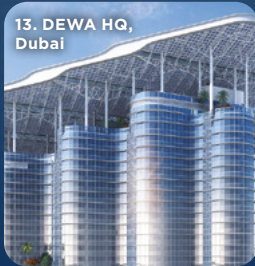


Third party accredited training & first ASFP training provider



First in industry to adopt bsi. identify to provide lifetime product information and traceability

Chosen to protect prestigious buildings across the globe



Products



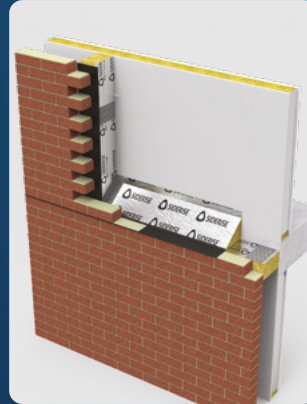
Curtain walling

Our extensively tested range of passive fire protection products and systems for curtain wall façades are specifically engineered to deliver the fire resistance performance needed for what are typically non-fire rated 'window framed' building envelopes. We also have a range of effective and vigorously tested noise control solutions specifically engineered for treating different sound transmission paths in curtain wall façades.



Rainscreen and cladding

Our range of cavity barriers for ventilated rainscreen and non-ventilated cladding systems, along with our open state cassette inserts, have been designed and tested with a wide variety of application possibilities in mind.



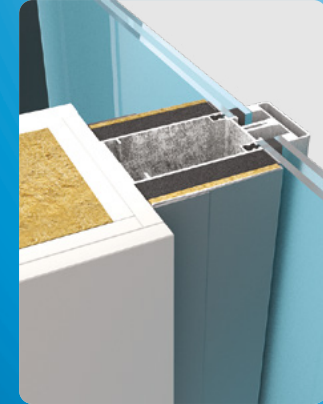
Masonry

Our solutions protect all kinds of masonry building approaches — from traditional brick and block to steel framed constructions — without compromising on design flexibility or installation efficiency.



Building interiors

We offer an array of passive fire protection and acoustic solutions, specifically designed to help address these problem areas where quality control, consistency and protected escape routes are at risk of being compromised.



Specialist applications

Whether you are looking to protect a specific construction element or find a solution for an unusual project, our passive fire protection expertise has enabled us to develop a range of compartmentation solutions for a wide variety of non-standard applications. They have been developed and appropriately tested to ensure effective passive fire safety in 'problem' areas.

Curtain walling

Siderise perimeter barrier and firestopping solutions for curtain walling

Overview

Our solutions comprise a range of factory-engineered firestopping and smoke seal systems for horizontal and vertical compartmentation, and perimeter barrier systems for spandrel protection. They are designed to inhibit fire, and smoke from spreading floor-to-floor, compartment-to-compartment, and from breaking out through the spandrel panel.

They also serve as an effective sound barrier for noise control and are complemented by a suite of acoustic treatments to further reduce sound transmission via the perimeter joint and mullion profiles.

Enhanced perimeter fire containment solutions for the critical spandrel zone

A systemised approach representing the 'as built' condition, gives a more accurate indication of in-application performance.

Our third-party tested and certified systems not only inhibit fire spread by extending the fire resistance of the compartment floor or wall to the rear of the façade, they help preserve the performance of the spandrel assembly, and therefore the stability of the curtain wall.

Our slab edge perimeter barrier systems incorporate a combination of CW-FS Firestop, CW-FB Fireboard and/or CW-SI Spandrel Insulation with ancillary fixings tested

ASTM E2307 tested



in conjunction with commercially available, non-fire rated curtain wall constructions to ASTM E2307, ASTM E2874 and EN 1364-4 curtain wall fire test standards.

ASTM E2307 and ASTM E2874

ASTM E2307 measures the performance of CW-FS Firestop and its ability to maintain a seal to prevent fire spread during the deflection and deformation of the exterior wall and floor assemblies.

ASTM E2874 analyses the ability of the spandrel assembly to prevent fire from spreading over the façade exterior to a room's interior on the floor above the compartment of origin.



ASTM E2307 and ASTM E2874 tested and certified systems

Properties	Value
Façade	Non-fire rated curtain wall
Floor slab	2 hour fire rated
Seal width	≤200mm (8 in.)
Seal compression	20% of joint width (40mm for 200mm void size / ffi-9/16 in. for 8 in. void size)
Perimeter firestop	Siderise CW-FS120 (120mm / ffi4 in. thickness)
Spandrel insulation	Siderise CW-SI50 (50mm / ffi2 in. thickness) Siderise CW-SI75 (75mm / ffi3 in. thickness)
Mullion protection	Siderise CW-FB25 (two layers at 25mm / ffi1 in. totalling 50mm / ffi2 in.) Siderise CW-SI50 (one layer at 50mm / ffi2 in. thickness)
Standard detail	SSD1995 revision A, SSD1996

Fire resistance tests

Properties	Value			
Fire test standards	ASTM E2307	ASTM E2307 ASTM E2874	ASTM E2307	ASTM E2307
Fire resistance performance	F-rating 2 hrs (126 mins)	F-rating 2-1/2 hrs (150 mins)	F-rating 3-1/3 hrs (202 mins)	F-rating 3 hrs (180 mins)
	T-rating 3/4 hrs (49 mins)	T-rating 1-1/2 hrs (75 mins)	T-rating 2-3/4 hrs (163 mins)	T-rating 3 hrs (180 mins)

Third-party certifications

Properties	Value
UL	XHDG.CW-D-2090
ICC	ICC ES ESL-1524
Intertek	WHI19-32944301
Thomas Bell Wright International Consultants	Scheme 6 TBW0600957

L-rating

Properties	Value
At ambient	<1 CFM/lin.ft
At 400°F	<1 CFM/lin.ft

AS 1530.4

CW-FS Firestop is third-party certified to AS 1530.4 by Warringtonfire Australia as having an FRL of up to 120 mins.

This complies with the requirements of the National Construction Code 2022 (NCC 2022).

EN 1364-4

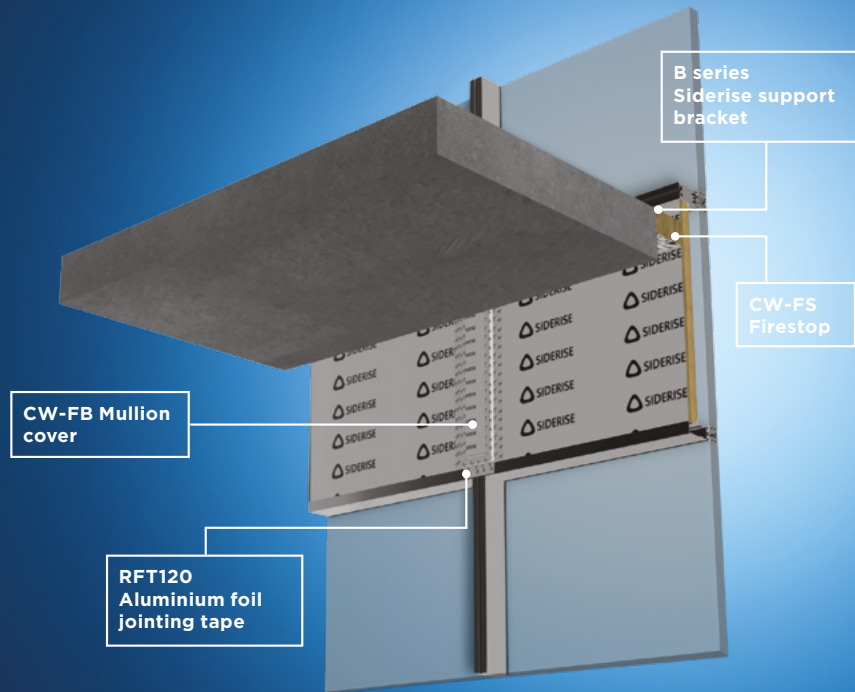
EN 1364-4 is a comprehensive and onerous part configuration test method that focuses on the performance of the materials and elements just within the spandrel zone.

It examines the fire resistance to internal and external fire exposure of the complete spandrel system for the test duration, including the spandrel panel, the perimeter fire seal, the fixing of the framing system (anchoring) used to attach the curtain walling to the floor element, or combinations thereof.

It also gives provision to evaluate the fire resistance performance of CW-FS Firestop with in-test dynamic movement and pre-test mechanically induced movement.

Configuration 5 allows in-test façade and floor slab deflection incurred as a result of being subjected to extreme heat over 1000°C during the test, to be considered when evaluating CW-FS Firestop functioning as a perimeter barrier.

Pre-test, mechanically induced movement of CW-FS Firestop simulating real world movement conditions at the façade / slab edge interface 24 hours before system fire testing to EN 1364-4, enables its durability to be validated by demonstrating its ability to accommodate in-service movement - and still perform in the event of fire.



- Unique one-part dry-fit systems.
- Market-leading fire resistance and movement serviceability performance.
- Quick and simple to install.

EN 1364-4 tested



Learn about firestopping challenges in façade design regarding curtain wall and building movement.

EN 1364-4 tested and certified systems

Properties	Value
Façade	Non-fire rated curtain wall
Floor slab	2 hour fire rated
Seal width	≤300mm
Seal compression	10% of joint width (30mm for 300mm void size)
Perimeter firestop	Siderise CW-FS120 (120mm thickness)
Spandrel insulation	Siderise CW-FB (25mm thickness)
Mullion protection	Siderise CW-FB (25mm thickness)
Standard detail	SSD1966-B, SSD0121-B and single mullion protection detail

Fire resistance tests

Properties	Value		
Fire test standards	EN 1364-4	EN 1364-4	EN 1364-4
Fire resistance performance	Integrity (E) 2 hrs (120 mins)	Integrity (E) 2 hrs (138 mins)	Integrity (E) 3 hrs (190 mins)
	Insulation (I) 2 hrs (120 mins)	Insulation (I) 1.5 hrs (107 mins)	Insulation (I) 3 hrs (190 mins)

Third-party certifications

Properties	Value
UL	UL-EU-01266-EN
Intertek	WHI19-32944301
Emirates Safety Laboratory	ESL-223211501
Warringtonfire Australia	Certifire AC103.1 and AC104.1

Compliance path to NCC 2022 (CW-FS120)

Properties	Value
AS 1530.1 1994	Not deemed combustible in accordance with the criteria specified in Clause 3.4
AS/NZS 1530.3 1999	Ignitability 0 Flame spread 0 Heat release 0 Smoke release 1
AS 1530.4	FRL up to ~120/120

Rainscreen and cladding

Siderise cavity barrier solutions for cladding systems



Siderise RH/RV and CH-CB Cavity Barrier Systems comprise horizontal and vertical cavity barriers to suit a variety of cladding applications, including ventilated and non-ventilated façades.

CH-CB horizontal cavity barriers for non-ventilated cladding façades are used to fully fill the void between the external envelope and internal structure. They are installed in combination with RV Vertical Cavity Barriers as part of a system.

Siderise RH Rainscreen 'Open State' Horizontal Cavity Barrier partially fills the void between the building structure and the façade, allowing continuous ventilation and moisture drainage. It incorporates a high-performance intumescent strip, which,

in the event of fire, is activated by heat and rapidly expands to fully seal and provide effective compartmentation between the barrier and the rear of the cladding.

Siderise RV Rainscreen 'Closed State' Horizontal Cavity Barrier fully fills the void, helping ventilated façades to function by maintaining air-pressurisation compartmentation.

Siderise OSCI Open State Cassette Insert simplifies detailing and installation of the cladding system.

Siderise RV Rainscreen Vertical Cavity Barrier is third-party certified to AS 1530.4 by Warringtonfire Australia as having an FRL up to 120 mins (Certificate Certifire AC104.1).

NFPA 285 Testing



- Tested to NFPA 285 and BS 8414 in a multitude of configurations.

BS 8414 Testing



- 60-year accelerated aged testing demonstrating durability in-service.
- 300+ tests comprising aluminium, composite, ACM, HPL and GRP cladding systems.

Go to system test log



See RH/RV product brochure



Visit CH-CB product page



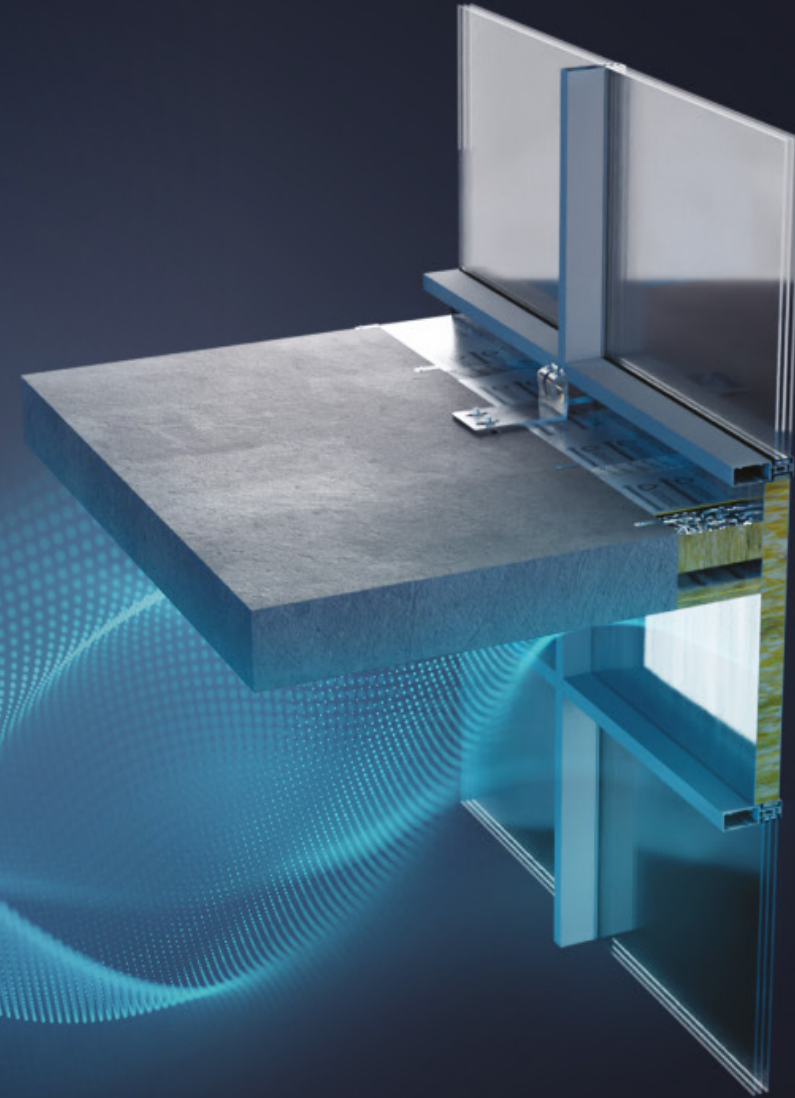
Building interiors

Noise control

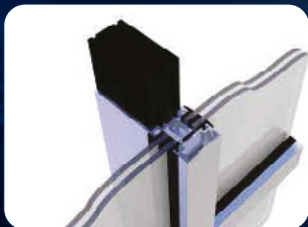
Siderise perimeter barrier and firestopping systems are tested for their acoustic performance. Complemented by a suite of acoustic treatments designed to improve vertical and horizontal airborne sound transmission in buildings, they can help achieve noise control requirements. Treatments include acoustic barriers and mullion and transom profile inserts.

Our façades team includes a number of qualified noise consultants who provide a free advisory service to architects, consultants and contractors.

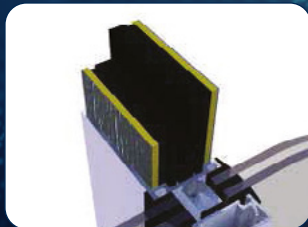
They specialise in providing a unique design service for standard and bespoke perimeter barrier slab edge floor closures that combine fire resistance with the required sound insulation performance.



M13 inserts



M16 inserts



M16 inserts

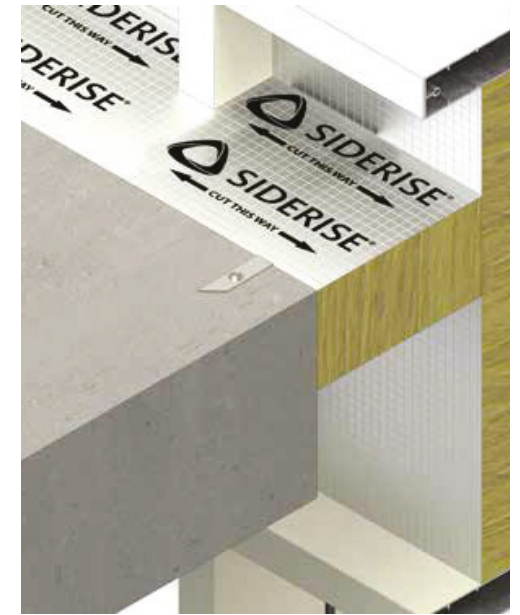


Learn more about airborne sound transmission in curtain façade systems.



The Scalpel, 52 Lime Street, London

Striking office building slices through the London skyline.



CW-FS 120 Perimeter Barriers and Firestops

Project: **The Scalpel**

Location: **London**

Product: **CW-FS Firestop**

Services: **passive fire system design, benchmark training, site inspections**

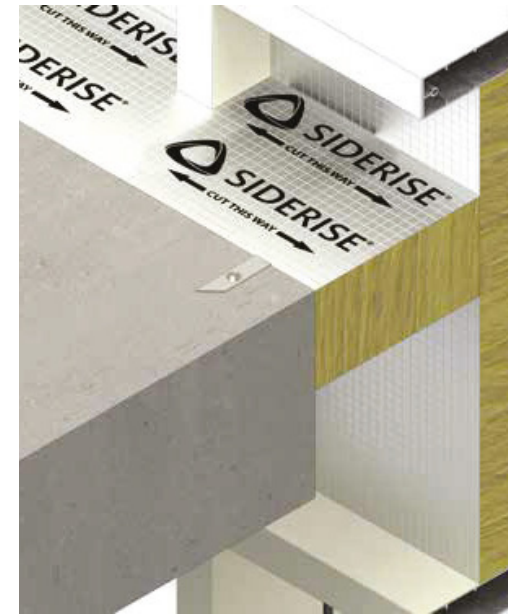
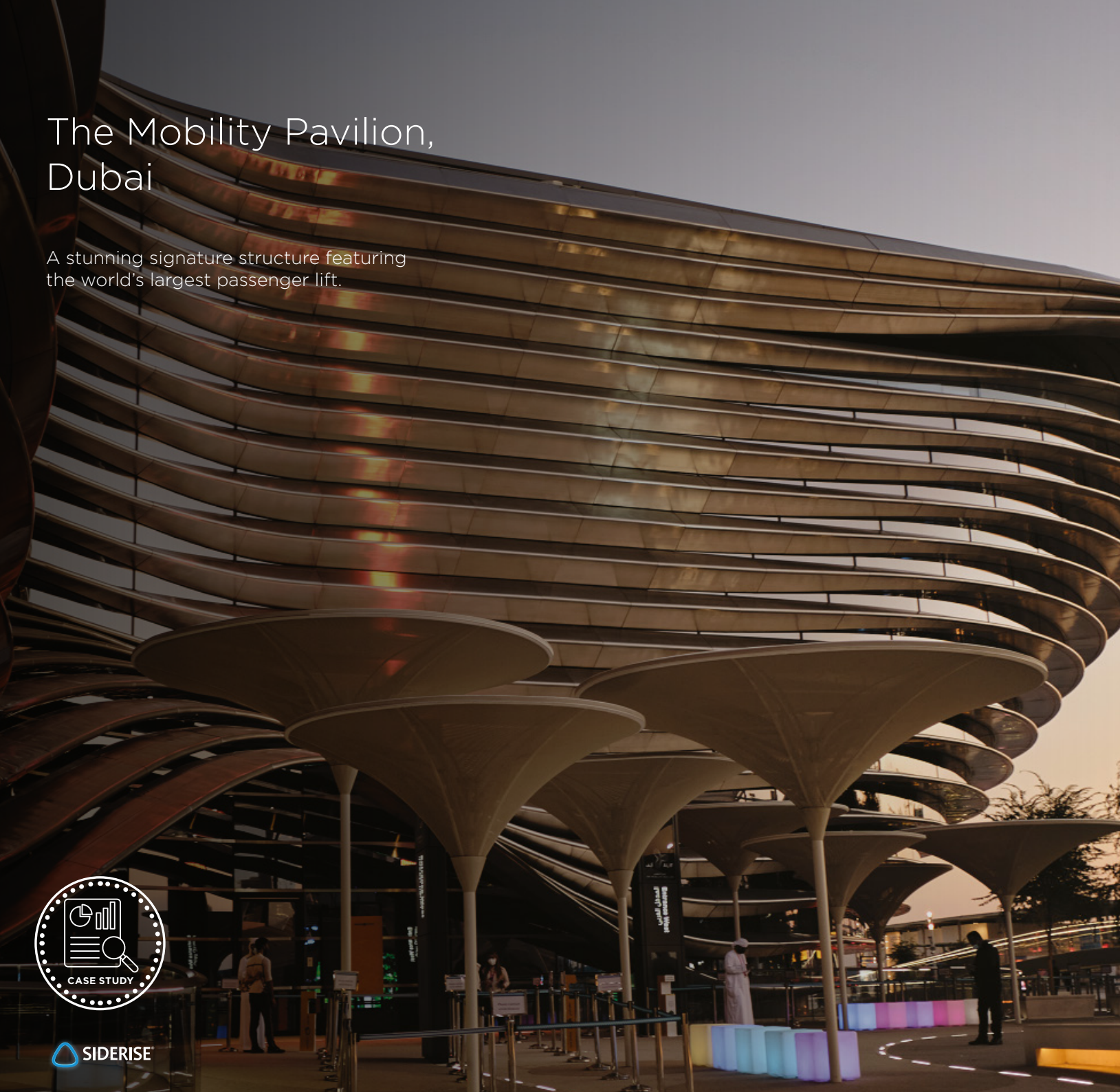
Application: **Curtain wall**

Facade contractor: **Permasteelisa**

Sharp and sophisticated, The Scalpel at 52 Lime Street cuts through the cityscape. It is a dramatic piece of architecture, with inclined shaping and an offset core enhanced with partially reflective glass elevations and bright metallic fold lines. Due to its irregular shape, unique floor plates and angled façade, CW-FS Firestop was specified to seal the gap between floor slabs and inner leaf to ensure ultimate firesafe integrity.

The Mobility Pavilion, Dubai

A stunning signature structure featuring
the world's largest passenger lift.



CW-FS 120 Perimeter Barriers and
Firestops

Project: **Alif - The Mobility Pavilion**

Location: **Dubai**

Facade contractor: **Permasteelisa**

Application: **Curtain wall**

Product: **CW-FS Firestop**

Services: **passive fire system design,
benchmark training, site inspections**

Designed by award-winning architects Foster + Partners, The Mobility Pavilion is a tech-enabled structure that challenges the visitor to think beyond physical movement. Its innovative inverted shape features stunning polished curves in a dynamic trefoil formation. The building boasts the world's largest passenger lift, able to transport 160+ people at a time, while a 330-metre track runs both underground and outside to showcase hi-tech mobility devices.



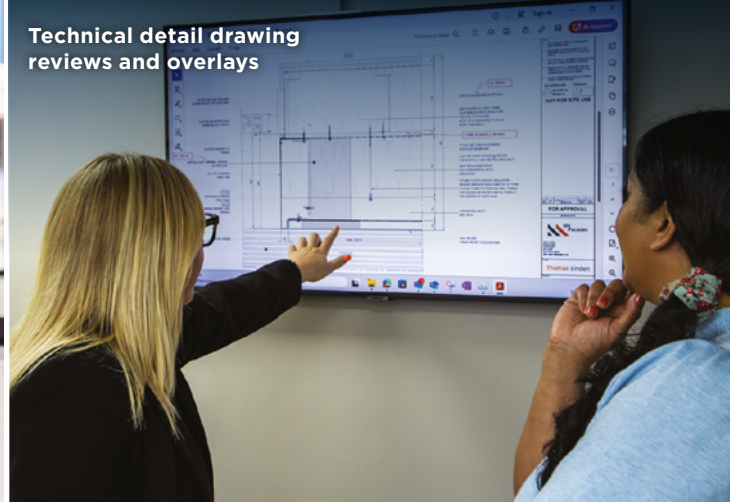
Building Information Modelling (BIM)

You'll find our extensive BIM library on NBS, which is an integrated global platform for everyone involved in the design, supply and construction of the built environment. We choose to partner with NBS as it enables us to provide high quality, structured data which empowers specifiers to stipulate the correct products - and therefore reduce the opportunity for substitution- and source the technical data they need to create more sustainable buildings.



Integrity in all we do

Technical services



Training services

Training services are a core part of Siderise's commitment to excellence, providing ISO-certified training to installers, key account contractor managers, design and site managers.

- Providing comprehensive training for installers, key account contractor managers, designers and site managers.
 - Site based training via site services team (training process is BS ISO 29993: 2017 accredited).
 - Training to external parties at Siderise Training Academy in Maesteg (ASFP recognised provider).
 - Continuous Professional Development (CPD) presentations via commercial team.



1st ASFP recognised training provider



Site based training process is 3rd party certified

184

External stakeholders received training at Siderise Training Academy (2023)

550

On-site product installation training sessions (2023)

Product training offering



Product documentation & certification



Key to understanding the functional requirements



Key functionality of each façade type



Terminology and definitions



Different product types and application



Characteristics & typical arrangements



Testing services



Having accredited, in-house testing facilities has accelerated our research and development programmes in a more secure environment, expanded the scope of use for our existing products, broadened our dataset, and enhanced our bespoke solution offering for more complex or unique projects.

Siderise Global Innovation Centre

In addition to enabling us to conduct more intensive quality control with further investment in R&D equipment, the Centre also allows us to start asking bigger questions about fire safety.

R&D and innovation

Creating innovative solutions and services to help build a safer and more resilient built environment

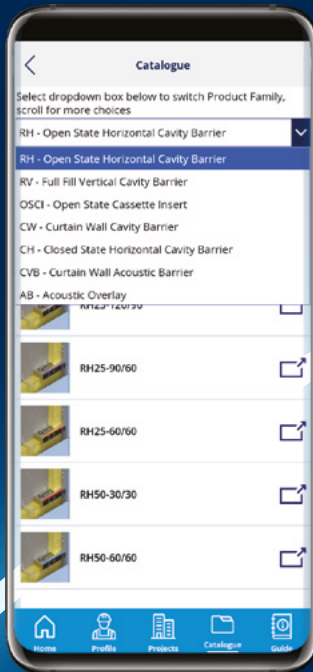


Inspection app

We developed the Siderise Inspection App to make our inspection service more accessible on straightforward projects. It offers a simple and easy-to-use process for recording the progress and installation quality of our standard firestop, cavity barrier and acoustic barrier systems before they are concealed behind the building façade.

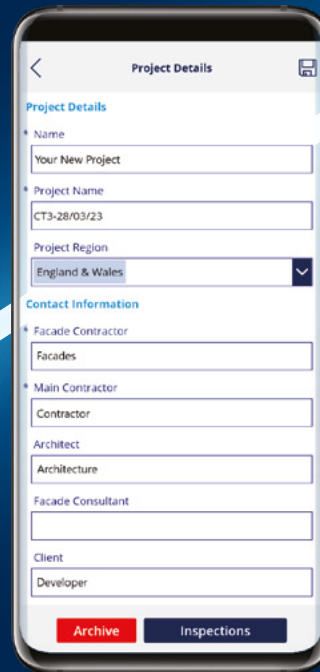
Using your smartphone or tablet, the Siderise Inspection App allows you to take photos of the products as they are being installed and to fill in the data input fields. The app then immediately turns the collated data into a comprehensive, easy-to-understand report, which can be reviewed offsite by our trained and experienced technical team within 48 hours.

1.



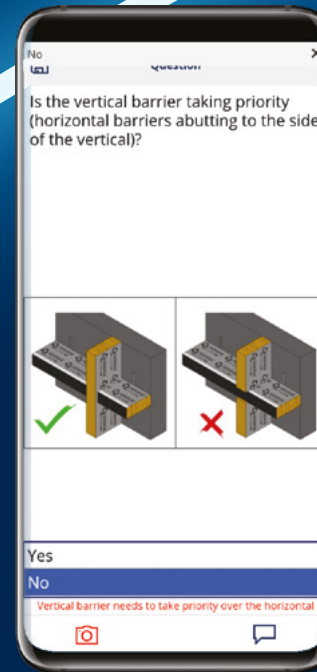
Simplifies recording and assessing product installations

2.



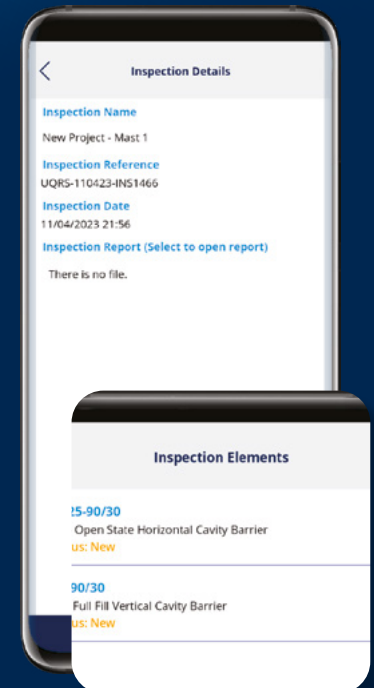
Streamlines installation documentation, enabling effective inspection, recording, and auditing

3.



Ensures correct and safe installation by highlighting any issues that may need resolution

4.



Generates clear digital records

Golden Thread



Digital record of important Building information

Market leading technical support



In-house testing facility

60
Year lifetime testing

Significant increase in testing capacity with development of in-house facility

Technical support

NBS Source PARTNER

bimstore

In-depth support for architects, designers, specifiers and fire safety specialists

Training centre

Certified fire, acoustic and thermal insulation specialist training

Tailored training to all stake holders including staff, architects, engineers and installers





Inspection app

1st
To provide a digital means of site inspection and reporting

200+
Active inspection app users

Siderise's sustainable competitive advantage

Group ESG strategy focused on four key pillars

Planet	Product	People	Policy
			
<p>100% of electricity used in Maesteg coming from renewable sources</p>	<p>R&D ≥2% of turnover allocation to R&D by 2025</p>	<p>THE SUNDAY TIMES Best Places to Work</p>	<p>100% of critical suppliers to be audited by 2025</p>
<p>100% electric vehicle fleet by 2030</p>	<p>EPD's developed for three of our core products</p>	<p>ISO 45000:1 achieved in 2024</p>	<p>GRI standard reporting</p>
<p><i>Minimise adverse environmental impact through effective environmental management</i></p>	<p><i>Actively manage environmental hazards & risks arising from our activities & services</i></p>	<p><i>Create a safe, inclusive and positive working environment</i></p>	<p><i>Build a culture of environmental responsibility</i></p>

...that are aligned with specific UN sustainable development goals



Proprietary Product & Know-how

- Unique proprietary product, accredited with 18 international 3rd party certification, Approval and Listing Bodies
- Fully automated production driving low-cost base and consistent quality
- Simplest installation - saves time and minimises risk of error



Unique Testing Database & Capability

- Extensive testing data & expertise developed over 30+ years
- 445+ product and 300+ system tests completed
- Comprehensive technical file
- In-house testing capability



Dedicated Technical Service

- Technical and commercial staff with unparalleled expertise
- Market-leading implementation of digital tools
- Providing training on-site and at HQ for over 2,000 people in 2023



Flawless Industry Brand and Reputation

- Award winning business
- Highly respected brand
- Trusted advisor to customers, influencers, multiple regulatory and industry bodies

Siderise's accelerating progress

- Operations
- Product & Brand



Contact details

UK

Siderise Insulation Ltd

Forge Industrial Estate
Maesteg
Bridgend
CF34 0AH
United Kingdom

+44 (0) 1656 730 833
enquiries@siderise.com

India

Siderise India Pvt. Ltd
(north central)

C/O ALTF Coworking Spaces
Pvt Ltd.
TR-115, Plot 21 & 21a
Sector 142, Noida Expressway,
Uttar Pradesh 201305
India

+91 998 700 4611
siderisein@siderise.com

Dubai

Siderise Middle East Fz LLC

Office 132,
Al Shafar Investment Building,
Al Quoz Industrial Area 1,
Dubai, UAE

Sales
+971 (0) 4250 9643
sideriseme@siderise.com

Siderise (Special Products)
Limited

Lady Lane Industrial Estate
Hadleigh
Suffolk
IP7 6BQ
United Kingdom

+44 (0) 1473 827695
sales.sspl@siderise.com

Siderise India Pvt. Ltd
(west coast)

Apeejay Business Centre
Cabin 001 Ground Floor,
Apeejay Express, Plot 87 Sector
17
Navi Mumbai, Maharashtra
400703
India

+91 998 700 4611
siderisein@siderise.com

United States of America

Siderise US LLC

1209 Orange Street
Delaware 19801
United States

(855) 674-2307
natech@siderise.com

Europe

Siderise Insulation
Limited

Girtannerstrasse 19
9010 St Gallen
Switzerland

+41 79 151 5917
paul.tsalolikhin@siderise.com

Singapore

Siderise (Asia Pacific)
Pte. Ltd.

9 Raffles Place
26-01 Republic Plaza
Singapore 048619

+65 963 19310
sideriseap@siderise.com

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