



# **FIRE SAFETY AND NOISE CONTROL FOR FACADES**

Providing solutions | Adding value | Globally



Exclusively distributed by HVG Facades

# ACOUSTIC, FIRE AND THERMAL SPECIALISTS

SIDERISE has been providing acoustic, fire and thermal insulation solutions globally for over 40 years.

HVG Facades utilise the SIDERISE product portfolio to work with architects, facade contractors and installers to develop effective, engineered solutions for fire, thermal and acoustic applications.

Our specialist Facades team offer solutions for any fire or acoustic seal requirement within the external facade.

Uniquely, we specialize in providing a design service for standard and bespoke perimeter barrier slab-edge floor

closures that combine fire and smoke resistance with the required sound insulation performance.

This is complemented by a range of acoustic barrier and insert systems which are used to improve the sound performance within the curtain wall environment.

## Providing solutions | Adding value | Globally

We add value to our customers who make, build or protect.



# SIDERISE PORTFOLIO

SIDERISE product range suits the rigorous performance expectations of the specifier, along with the stringent cost demands and practical installation needs of the contractor.



SIDERISE exclusively distributed by HVG Facades, are the market leaders for developing specialist fire, thermal and acoustic solutions for the construction industry.

The range includes high performance fire-stopping products for applications including floor and wall compartmentation.

The product range to suit the rigorous performance expectations of the specifier – as well as the stringent cost demands and practical installation needs of the contractor.

At HVG Facades we aim to ensure architects, specifiers, main contractors and all our valued customers continue to benefit from design solutions that are robust and synonymous with best practice.





# FIRE SAFETY FOR FACADES

For over 25 years SIDERISE has been the UK's No.1 firestop solution for the curtain walling industry.

Good compartmentation measures within building design, combined with professional installation will limit the spread of fire and importantly, noxious gases. This will assist with evacuation of a building as well as giving the fire services a secure environment in which to fight a fire.

The range of SIDERISE Perimeter Barrier systems provide an easy to install method of sealing the void formed between curtain walling and the structural frame.

They are suitable for use as both horizontal and vertical firestop systems.

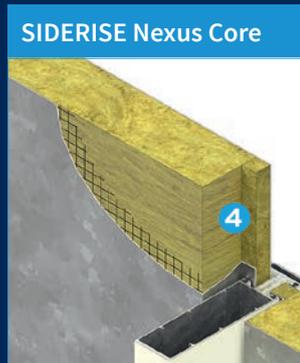
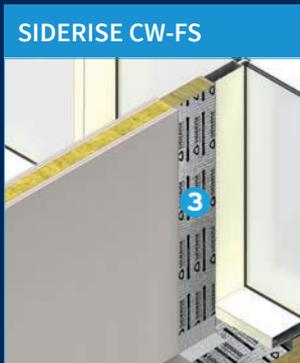
Their inclusion effectively prevents the rapid spread of flames, gases, and smoke. Additionally, they offer a qualified acoustic performance significantly enhancing room-to-room sound reduction.

Due to the unique method of manufacture these resilient products can accommodate normal facade deflection and site tolerances.

## The SIDERISE range offers:

- Simple and quick installation
- Market-leading fire performance
- Qualified acoustics performance
- Unique construction providing unrivalled movement performance

# PERIMETER BARRIER FIRESTOP AND CAVITY BARRIER SYSTEMS



- 1 Fire, smoke and acoustic seals for use within curtain walling and facades – horizontal application, full width seal.
- 2 Fire, smoke and acoustic seals for use within curtain walling and facades – horizontal application, abutting spandrel panel.
- 3 Fire, smoke and acoustic seals for use within curtain walling and facades – vertical application.
- 4 Nexus lamella board core for use with bonded composite spandrel panels.
- 5 SIDERISE Nexus Fusion. High strength fire safe thermal insulation core for bonding to glazed spandrels.
- 6 'Open State' horizontal cavity barriers for use within rainscreens, and other ventilated facade systems.
- 7 Vertical cavity barriers for use within rainscreens.





# PERIMETER CLOSURES AND ACOUSTIC BARRIERS

## FACADE NOISE CONTROL

Proven sound reduction solutions that deal with all common sound path problems.

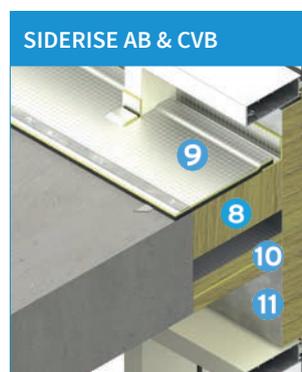
SIDERISE are leading manufacturers of acoustic materials for construction and other industries.

The range includes a choice of effective and proven sound reduction solutions that deal with all common sound path problems.

Available is a vast range of sound absorption, isolation, anti-vibration and damping materials.

There is a specialist design service, for standard and bespoke perimeter barrier slab-edge floor closures that combine fire resistance with the required sound insulation performance. This is complemented with a range of acoustic barrier and insert systems that improve the sound performance within the curtain wall environment.

- 8 SIDERISE CW-FS
- 9 SIDERISE AB
- 10 SIDERISE CVB
- 11 SIDERISE Nexus Fusion Spandrel insulation



For main sound transmission modes at floor/facade abutment our Facades team can undertake acoustic performance assessments for the perimeter barrier zone and calculate the required SRI values for the firestop in order to meet the overall performance for a specific project. When required, additional acoustic treatments are available to ensure compliance.

SIDERISE CW-FS perimeter barriers are market leading fire, smoke and acoustic seals for use within curtain walling. The range includes different options to suit required fire ratings and/or acoustics performance.

For guidance, tested performance for firestop only:  
 CW-FS60 = 23dB (RW)  
 CW-FS120 = 25dB (RW)

SIDERISE AB are acoustic barrier overlay materials for use above the perimeter barrier firestop. Different grades are available to suit acoustics performance required.

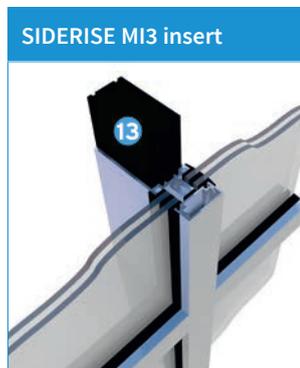
For guidance, tested performance for composite assembly:  
 CW-FS120 + AB5 = 33dB (Rw)  
 CW-FS120 + AB10 = 37dB (Rw)

SIDERISE CVB is a high mass closure normally incorporated beneath the perimeter barrier firestop and located to maximise the air gap and create a “twin mass” system.

For guidance, tested performance for composite assembly:  
 CW-FS120 + AB10 + 100mm airgap + CVB10 = 51dB (Rw)

# ACOUSTIC INSULATION INSERTS FOR FACADES

SIDERISE MI Mullion Inserts comprise a range of specialist acoustic insulation materials designed to reduce vertical and horizontal sound transmission in curtain wall buildings, improving the performance of hollow-framed facades and glazed areas.



- 12 Through frame – sound transmission treatment using shaped absorptive mineral wool inserts.
- 13 Through frame – sound transmission treatment using shaped impregnated acoustic foam inserts.
- 14 Through frame – sound transmission treatment using shaped composite high mass layer and acoustic foam inserts.
- 15 Mullion closure – sound transmission treatment using dense resilient foam with central heavy membrane.



See separate data sheet for system choice guidance and acoustic performance.

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**SIDERISE offers free technical advice to professionals and specialist fire contractors on the most appropriate method of fire stopping for a wide variety of construction applications.**

Upon receipt of project specific information SIDERISE can provide practical design solutions without compromising cost or performance.

Support is provided for specifiers from initial enquiry and technical consultation to formal pre-qualification and project realisation.

Specifications are provided for standard products and applications and can be tailored to suit specific project performance requirements.

**SALES SUPPORT:**

Please contact the HVG Facades sales team for product selection advice and/or application support.

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