

40 SHADES OF GREEN

SUSTAINABLE INSULATION SOLUTIONS



SIDERISE

DEVELOPING INSULATION SOLUTIONS FOR 40 YEARS

ALL INSULATION IS GOOD

INSULATION MADE INTELLIGENTLY, EFFICIENTLY AND WITH CARE FOR THE PLANET IS BETTER

LAYERS OF INTELLIGENCE

Siderise is one of the UK's leading suppliers of fire safety, noise control and thermal insulation products. For over 40 years we have been developing insulation solutions earning us an enviable reputation for outstanding value layered with personal service and unparalleled technical expertise.



ENVIRONMENTAL PROTECTION

We've intelligently designed solutions for a multitude of construction applications, all driven by our ethos of practical to fit, engineered to function and cost-effective. All Siderise products are manufactured with care for the planet in mind and will help to reduce energy costs and noise pollution as well as improving fire safety.



FIRE SAFETY

Intelligent solutions engineered for fire and smoke stops, cavity barriers and construction joint details. All our fire-safe products not only provide market leading fire resistance but also offer acoustic and thermal benefits.



THERMAL EFFICIENCY

We provide effective and efficient solutions to control heat flow in all construction situations including building facades, interiors, marine and transport. Our environmentally engineered products offer passive protection for the life of the structure, reducing energy costs and lowering your carbon footprint.

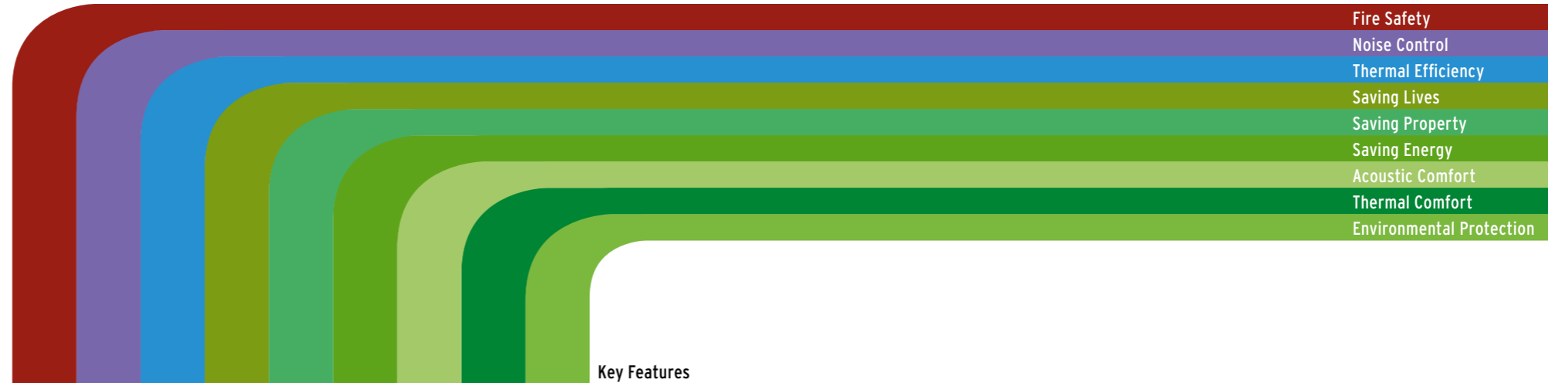


NOISE CONTROL

Our experience in the field of acoustic insulation has resulted in intelligent and proven sound reduction solutions engineered to deal with common sound path issues. Our range of solutions includes sound absorption, isolation, anti-vibration and damping materials which also provide fire safety and thermal performance benefits.

Whatever your insulation requirement, whether you are in the construction, marine, transport or energy generation sector, we can provide technical advice and a tailored insulation solution. Talk to our technical advisory team who will be happy to have a look at your project. **Tel 01656 730833**

40 INTELLIGENT INSULATION SOLUTIONS



Market Sector	Solution	Product											Key Features
1	Buildings	Acoustic & Thermal Linings	Stonewool Insulation	•	•	•			•	•	•	•	Providing exceptional thermal, fire, acoustic and sustainable properties. One of the most practical and cost-effective means of reducing energy consumption.
2		Acoustic & Thermal Linings	Natural Fibre Insulation		•	•			•	•	•	•	Derived from completely natural, sustainable and renewable sources.
3		Acoustic & Thermal Linings	Enclosed Insulation		•	•			•	•	•	•	Helps to reduce 'room to room' sound transmission over ceiling voids, dampen sound within a room and to enhance or provide thermal insulation.
4		Firestop System	EW Firestops for External Masonry Walls	•	•		•	•				•	Simple and easy to install method of sealing external wall cavities for both masonry and timber frame constructions.
5		Fire Closer	FAC Fire & Acoustic Closer for Party Walls	•	•		•	•				•	Robust and practical fire closer with integral dpc. Reduces flanking sound transmission at the junction of compartment and external walls.
6	Compressors	Acoustic Enclosure	Noise Jackets		•							•	A fully enclosed noise control solution, maximizing isolation at minimum thickness. UV and moisture stable. UL94 fire rated.
7	Facades	Structural Insulation	Nexus Cores for Composite Panels	•	•	•	•	•	•	•	•	•	Unique manufacturing process achieves optimum structural, fire, thermal and acoustic performance - combined with tight tolerances and kit supply service.
8		Perimeter Barrier Firestop	CW Curtain Walling Firestop	•	•		•	•				•	The UK's #1 solution providing unrivalled combination of fire, smoke and acoustics performance coupled with high movement capability, ease and speed of fit.
9		Acoustic Barrier	CW-AB Acoustic Barrier Overlay		•							•	Flexible composite material designed to improve the sound reduction performance with the curtain walling environment.
10		Acoustic Barrier	CW-CVB Acoustic Barrier		•							•	Simple to fit acoustic barrier often used in conjunction with perimeter barrier firestop systems for high specification performance requirements.
11		Acoustic Insert	MI Mullion Inserts		•							•	Range of specialist material components used to improve the sound insulation performance of lightweight hollow framed facades or glazed areas.
12		Open & Ventilated Cavity Barrier	RS Cavity Barriers for Rainscreens	•	•		•	•				•	Integral intumescent provides market-leading closure performance - a key criterion required to re-instate the integrity of the cavity and prevent fire spread.
13		Acoustic Window Reveal Lining	WRX Window Reveal Liner		•							•	A decorative yet practical and robust means of improving the sound insulation performance of secondary glazed windows.
14	Fencing	Acoustic Solution	Flexible Noise Barrier		•							•	Environmental Noise Control for construction and events. Exceptional durability. Water and UV resistant. Tested to BS EN 1793. Rw 17dB. Advertising opportunity.
15	HVAC	Lining	Ducting Insulation Solutions		•	•				•	•	•	Broad range of sound reduction products. Incorporating external wraps / cladding and internal absorption solutions.
16		Lining Kits	Fancoil Insulation Solutions		•							•	The widest selection of absorption solutions in the UK, lab tested for qualified performance. Class 0 fire rated. Engineered for air volume and turbulence.
17		Lining Kits	Heat Pump Insulation Solutions		•							•	Customised solutions available, delivering noise control and thermal performance.
18		Acoustic Insert	SoundPac Products		•							•	The straightforward solution to noise problems in ducts. Used to simply remedy fan noise, fan coil unit noise, system regenerative noise or ductwork system 'cross-talk'.
19	Insulation Conversion	Acoustic Composites	OEM Acoustic Composite Solutions		•							•	Multi-layered absorption, insulation and isolation laminates incorporating membranes tuned for application frequencies. Tested to EN ISO 354 & EN ISO 140.
20		Acoustic Foam	OEM Acoustic Foam Solutions	•	•							•	CNC machining, die-cutting and profiling. Class 0, UL94 and FMVSS.302 fire rated for a wide variety of industries.
21		Gaskets	OEM Gasket Solutions		•							•	Air, moisture, dust and acoustic seals. Grades suitable for fuel, oil, UV and high temperature. Compression resistance and compression set tested.
22		Thermal Insulation	OEM Thermal Insulation Solutions		•	•			•	•	•	•	Homogenous and composite laminates available with a range of natural and synthetic materials. All zero ODP and with GWP <5.
23		Stonewool Insulation	OEM Stonewool Insulation Solutions	•	•	•			•	•	•	•	Standard fabrication services include cutting, facing, shaping, enclosing and lamination. All manufactured under strict QA and fully accredited to ISO 9001:2000.
24		Natural Fibre Insulation	OEM Natural Fibre Insulation Solutions		•	•			•	•	•	•	Due to the diversity in dimensions and combinations of facings etc., we have a dedicated facility specialising in bespoke products and short production runs.
25	Interiors	Wall Acoustic System	AVC Acoustic Void Closures	•	•		•	•				•	Range of bespoke products to effectively close small or complex apertures. Compression fitted into the void to form an efficient high performance acoustic seal.
26		Ceiling Acoustic Barrier	CBX Flexible Acoustic Void Barrier		•							•	Designed for free-hanging in ceiling voids above partitions to provide simple solution to the common problem of improving 'room to room' sound performance.
27		Ceiling Acoustic Barrier	CVB Acoustic Void Barriers		•							•	Extremely simple to fit solution to improving the sound transmission loss associated with the 'cross talk' path via suspended ceiling voids.
28		Acoustic Interface Panel	FIP High Performance Acoustic Panel		•							•	Thin multi-layered board offering exceptional sound transmission performance, developed to provide a solution where an internal partition abuts a curtain wall.
29		Acoustic System	Office Screening		•							•	Absorption solutions for open plan offices, restaurants exhibitions and schools. Class 0 fire rated and acoustically tested.
30		Floor Cavity Barrier	RF Raised Access Floor Cavity Barrier	•	•	•	•	•	•	•	•	•	Simple and practical to install systems tested for fire performance, acoustic performance and for use as a plenum lining. Forms resilient seal to underside of floor tile.
31		Acoustic Treatment	Spatial Absorbers		•							•	Enclosed and sealed noise absorbers, particularly suited to industrial environments to enable businesses comply with Noise at Work regulations.
32	IT / Electronics	Acoustic Solution	Video Conferencing		•					•	•	•	Acoustic interiors for desired Rev Time. Acoustic insulation for noise break in/out. Designed for speech privacy and aesthetics.
33	Marine	Acoustic Lining	Marine Solutions	•	•	•						•	Layered acoustic composites for marine environments, providing noise control, thermal insulation and fire breaks for bulkheads and decks.
34	Natural Ventilation	Lining Kit	Attenuators		•	•				•	•	•	Designed acoustic solutions for attenuator, louvres and fan units. Fire rated and honed for air through put.
35		Acoustic Insert	Louvres		•	•				•	•	•	Optimised absorption solutions providing exception attenuation against air flow requirements. Class 0 fire rated.
36	Power Generation	Lining Kits	Acoustic Linings	•	•							•	Cellular foam and fibrous designed acoustic solutions. Optimised absorption offering low frequency performance for traffic noise. Fire rated and honed for air through put.
37	Renewable Energy	Thermal System	Solar Power Solutions		•	•						•	UV protected, moisture and fire resistant thermal insulation solutions. Conserving energy, delivering power.
38		Acoustic System	Wind Turbine Solutions		•					•	•	•	Combined sound absorption and sound reduction, reducing gear and generator noise.
39	Transport & Vehicles	Acoustic Solutions	Construction Plant Solutions	•	•	•			•	•	•	•	Highly durable, fire rated and moisture resistant acoustic solutions for diggers, dumpers and all heavy plant.
40		Thermal Insulation Kits	Rail Solutions	•	•	•			•	•	•	•	Thermal insulation tested to European standards for fire, smoke and environmental emissions.

IMPROVING THE ENVIRONMENT

WORKING ENVIRONMENT

Most types of industrial plant, manufacturing machinery, vehicles and building services equipment generate high levels of noise, which may result in impact, airborne and structure-borne noise problems. If left untreated, high levels of noise can become a health and safety concern for people working in the immediate location, or in adjacent offices and buildings.

SIDERISE OFFER:

A WIDE RANGE OF HIGH PERFORMANCE NOISE CONTROL SOLUTIONS

As there are many variables in the type, size and functionality of machinery and equipment, the majority of Siderise industrial noise control solutions are bespoke. A range of standard solutions is available for common applications.

ENGINEERED TO WORK. TAILORED TO FIT.

Care is always given for a holistic solution, encompassing not just noise control but including fire, thermal and mechanical performance, smoke emissions and environmental impact.

SOLUTIONS THAT WORK FOR YOU

Our engineers can access and use data for our materials that have been collected over many years testing. In collaboration with your design and engineering team, you can be certain that the noise control solution that we design for you is technically the best available.

UNIQUE MATERIAL CHOICE

Our broad range of raw materials gives us the freedom to design a solution exactly meeting the unique acoustic spectrum of the application. On-going R&D means that unique layered solutions can be devised for each target industry. Coupled with investment in processing equipment, this ensures that we can provide unique combinations of materials that deliver optimum performance.

MARKET-LEADING EXPERIENCE AND TECHNICAL ASSISTANCE

Customers are supported by a team of fully qualified professionals who can draw on many years of manufacturing and value-engineering experience. This highly skilled team enables us to design solutions for the most challenging noise applications.

BUILT ENVIRONMENT

Today's requirement for lightweight, complex and often multifunctional buildings provides the designer with many challenges to adequately control noise.

Road, rail, air traffic noise and other vibrations that may surround a building, the effect of 'noise-producing' spaces adjacent to 'noise-sensitive spaces' and the internal

building services such as air-conditioning equipment and stand-by generators all require careful consideration.

SIDERISE OFFER:

INNOVATIVE AND EFFECTIVE ACOUSTIC INSULATION PRODUCTS

We offer a choice of effective and proven sound reduction solutions that deal with all common sound path problems. Additionally, we offer a vast range of sound absorption, isolation, anti-vibration and dampening materials.

DESIGN SUPPORT

The technical team includes a number of qualified Noise Consultants who provide a free advisory service to Architects, Consultants and Contractors.

PROVEN PERFORMANCE

Using library data our engineers can use known material characteristics and match these to the required project performance criteria. Our proposals can then be incorporated into the specific design of your building with confidence.

MAKING YOUR WORLD A SAFER PLACE

Siderise are recognised as the market leaders for developing specialist fire, thermal and acoustic solutions for the construction industry.

We specialise in the design and manufacture of passive fire protection solutions for the following markets:

- Buildings
- Facades
- Interiors

We offer expert advice along with a comprehensive range of products and solutions to help make your world a safer place.

SIDERISE OFFER:

SIMPLY CLEVER PRODUCTS

Our unique methods of manufacture afford the products a robustness and simplicity of design which answers all of the functional performance requirements - in combination with a full consideration of practical detailing and installation.

MARKET LEADING VALUE

By virtue of unique methods of manufacturing, the Siderise passive fire protection products are typically the simplest and quickest to install. Invariably, this results in the Siderise offer being acknowledged as the cheapest total installed cost.

INTELLIGENT DESIGN

At Siderise we work with architects, façade contractors, fit-out contractors and other specialist installers to develop effective, engineered solutions to fire, thermal and acoustic problems. We offer technical advice on the most appropriate method of fire stopping for a wide variety of construction applications. When involved at the design stage we can complement standard details with consideration of wider performance demands including acoustics, thermal requirements and serviceability movement.

INTELLIGENT FIRE SAFETY

Siderise products offer superior fire resistance, create safer buildings, keep people safe and minimise damage to valuable assets.

If you have a problem related to fire or noise please talk to us:

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