

Siderise® Special Products Ltd

Product catalogue



Siderise Special Products is a leading specialist in **high-performance engineered acoustic and thermal solutions** for HVAC, rail, marine, and industrial applications. We have been serving the market since 1972 with a vast range of off-the-shelf and bespoke noise management solutions.

Working with you, for you

We offer a bespoke size cutting service to meet your specific product requirements.

Whether you need custom dimensions for unique projects or precise cuts for specialised applications, our skilled team is equipped to deliver tailored solutions that fit your exact needs.



Siderise Special Products is part of the **Siderise Group**, a global expert in the design, manufacture, and supply of high-performance passive fire protection solutions for the building envelope to control the spread of fire.



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Siderise SSPL sales team each manage UK & Ireland coverage.



David Boon

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Ask me about...

SSPL OEM key account management, acoustic foams, and other customised special products we can provide to customers.

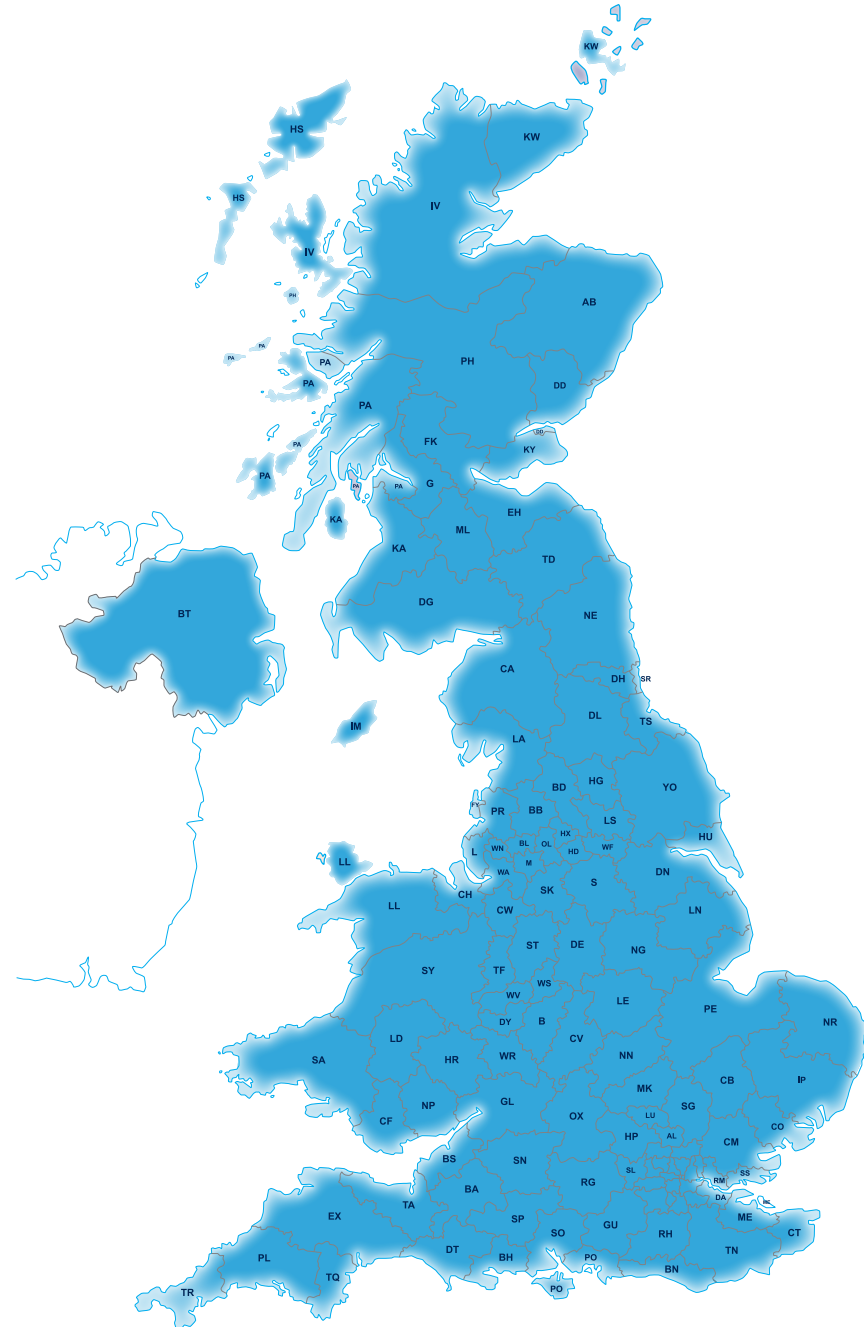


Keith Stalker

Business Development Manager
(OEM)
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keith.stalker@siderise.com

Ask me about...

Acoustic foams, acoustic fence barriers, and the bespoke service we offer OEM customers (SSPL).



Contact us for more information
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Acoustic foam insulation

Specialist acoustic open cell foam insulation



Siderise Sound+ Acoustic Foam Slab

A cost-effective acoustic foam designed to absorb sound waves and reduce reverberation. Ideal for OEM and HVAC applications. Comes in convenient sheet format for efficient installation.

Specification

Product code	Thickness (mm)	Sheet size (mm)	α_w	Flammability / Reaction to Fire
A006/SA18.V	6	1250 x 2050	0.20	FMVSS (ISO3795) Self-extinguishing
A012/SA18.V	12	1250 x 2050	0.30	FMVSS (ISO3795) Self-extinguishing
A025/SA18.V	25	1250 x 2050	0.50	FMVSS (ISO3795) Self-extinguishing
A050/SA18.V	50	1250 x 2050	0.85	FMVSS (ISO3795) Self-extinguishing



Siderise Melamine Light Weight Acoustic Foam

A light weight, flame retardant open cell foam providing thermal insulation and acoustic absorption for ducting, ventilation insulation, acoustic wall and ceiling panels.

Specification

Product code	Thickness (mm)	Sheet size (mm)	Density (kg/m ³)	Thermal W/m·K	α_w	Flammability / Reaction to Fire
M006/SA18.V	6	1250 x 2050	9	0.035	0.25	Class 0 to BS 476-6 & 7
M012/SA18.V	12	1250 x 2050	9	0.035	0.30	Class 0 to BS 476-6 & 7
M025/SA18.V	25	1250 x 2050	9	0.035	0.50	Class 0 to BS 476-6 & 7
M050/SA18.V	50	1250 x 2050	9	0.035	0.80	Class 1 to BS 476-7



Need parts cut to size?

Contact us today to create your bespoke solution:
sales.sspl@siderise.com

Contact us for more information
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Siderise FR Retardant Acoustic Foam Slab

A flexible Class 0 flame retardant acoustic foam with sound absorbing qualities. Ideal for different construction applications, ductwork and ventilation applications.

Specification

Product code	Thickness (mm)	Sheet size (mm)	Thermal W/m-K	α_w	Flammability / Reaction to Fire
V006/SA18.V	6	1240 x 2040	0.048-0.051	0.15	Class 0 to BS 476-6 & 7
V012/SA18.V	12	1240 x 2040	0.048-0.051	0.30	Class 0 to BS 476-6 & 7
V025/SA18.V	25	1240 x 2040	0.048-0.051	0.45	Class 0 to BS 476-6 & 7
V050/SA18.V	50	1240 x 2040	0.048-0.051	0.70	Class 0 to BS 476-6 & 7

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Siderise FRX Retardant PLUS+ Acoustic Slab

A flame retardant and sound absorption slab, ideal different construction applications, ductwork and ventilation applications.

Specification

Product code	Thickness (mm)	Sheet size (mm)	Thermal W/m-K	α_w	Flammability / Reaction to Fire
VE12.V	12	1240 x 2040	0.048-0.051	0.30	B-s2, d0
VE25.V	25	1240 x 2040	0.048-0.051	0.45	B-s2, d0
VE50.V	50	1240 x 2040	0.048-0.051	0.70	B-s2, d0



Siderise Studio+ FX Retardant Acoustic Foam Slab

A versatile acoustic slab with an egg box profile, offering Class 0 reaction to fire performance and sound absorption for walls and ceilings.

Specification

Product code	Thickness (mm)	Sheet size (mm)	Thermal W/m-K	α_w	Flammability / Reaction to Fire
VP25-25V	50	2040 x 1240	0.048-0.051	0.6	Class 0 to BS 476-6 & 7



Siderise Lamacell Thermal Insulation Foam Slab

A flame retardant, closed cell thermal insulation foam for pipe lagging, duct insulation, thermal insulation for chilled service, heating ducts and pipes.

Specification

Product code	Thickness (mm)	Roll width (mm)	Surface weight	Thermal W/m-K	α_w	Flammability / Reaction to Fire
LA03.1000	3	1000	50kg/m ³	0.033	0.1	B-s3, d0 to EN 13501-1
LA06.1000	6	1000	50kg/m ³	0.033	0.1	B-s3, d0 to EN 13501-1
LA09.1000	9	1000	50kg/m ³	0.033	0.2	B-s3, d0 to EN 13501-1
LA19.1000	19	1000	50kg/m ³	0.033	0.3	B-s3, d0 to EN 13501-1
LA25.1000	25	1000	50kg/m ³	0.033	0.5	B-s3, d0 to EN 13501-1
LA32.1000	32	1000	50kg/m ³	0.036	0.55	B-s3, d0 to EN 13501-1

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HVAC&R

Specialist acoustic and thermal treatment for heating, ventilation, air-conditioning and refrigeration

HVAC&R acoustic and thermal treatment

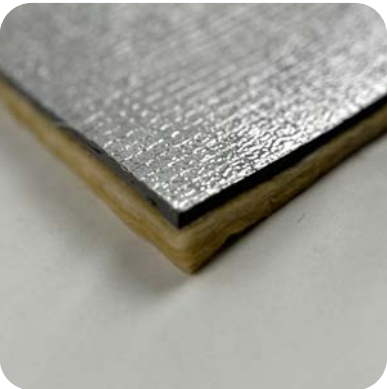
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Acoustic foam insulation

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With over 50 years of expertise, we can deliver exceptional sound reduction performance for building heating, cooling and ventilation elements. We provide insulation solutions for, Heat Pumps, Fan Coil Units, Chillers, Condensers, AC units, Air Handling Units, Ducts and more. These elements are commonly installed in many building types including Offices, Homes, Healthcare, Education, Retail, Industrial, Leisure & Sports.



Siderise DWX Duct Acoustic Insulation Barrier

A soft flexible quilt with an outer heavy polymeric acoustic membrane used to improve the sound insulation of thin lightweight ductwork.

Specification

Product code	Thickness (mm)	Sheet size (mm)	Surface weight	dB, R _w	Flammability / Reaction to Fire
DWX5.V	25	2000 x 1200	6kg/m ²	36*	Class 0 to BS 476-6 & 7
DWX10.V	25	2000 x 1200	11kg/m ²	38*	Class 0 to BS 476-6 & 7

*On 18 swg steel plate



Siderise Sound+ Acoustic Foam Slab

A cost-effective acoustic foam designed to absorb sound waves and reduce reverberation. Ideal for OEM and HVAC applications. Comes in convenient sheet format for efficient installation.

Specification

Product code	Thickness (mm)	Sheet size (mm)	α _w	Flammability / Reaction to Fire
A006/SA18.V	6	1250 x 2050	0.20	FMVSS (ISO3795) Self-extinguishing
A012/SA18.V	12	1250 x 2050	0.30	FMVSS (ISO3795) Self-extinguishing
A025/SA18.V	25	1250 x 2050	0.50	FMVSS (ISO3795) Self-extinguishing
A050/SA18.V	50	1250 x 2050	0.85	FMVSS (ISO3795) Self-extinguishing

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Siderise Melamine Light Weight Acoustic Foam

A light weight, flame retardant open cell foam providing thermal insulation and acoustic absorption for ducting, ventilation insulation, acoustic wall and ceiling panels.

Specification

Product code	Thickness (mm)	Sheet size (mm)	Density (kg/m ³)	Thermal W/m-K	α_w	Flammability / Reaction to Fire
M006/SA18.V	6	1250 x 2050	9	0.035	0.25	Class 0 to BS 476-6 & 7
M012/SA18.V	12	1250 x 2050	9	0.035	0.30	Class 0 to BS 476-6 & 7
M025/SA18.V	25	1250 x 2050	9	0.035	0.50	Class 0 to BS 476-6 & 7
M050/SA18.V	50	1250 x 2050	9	0.035	0.80	Class 1 to BS 476-7



Siderise FR Retardant Acoustic Foam Slab

A flexible Class 0 flame retardant acoustic foam with sound absorbing qualities. Ideal for different construction applications, ductwork and ventilation applications.

Specification

Product code	Thickness (mm)	Sheet size (mm)	Thermal W/m-K	α_w	Flammability / Reaction to Fire
V006/SA18.V	6	1240 x 2040	0.048-0.051	0.15	Class 0 to BS 476-6 & 7
V012/SA18.V	12	1240 x 2040	0.048-0.051	0.30	Class 0 to BS 476-6 & 7
V025/SA18.V	25	1240 x 2040	0.048-0.051	0.45	Class 0 to BS 476-6 & 7
V050/SA18.V	50	1240 x 2040	0.048-0.051	0.70	Class 0 to BS 476-6 & 7

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Siderise FRX Retardant PLUS+ Acoustic Slab

A flame retardant, sound absorption slab ideal for different construction applications, ductwork and ventilation applications.

Specification

Product code	Thickness (mm)	Sheet size (mm)	Thermal W/m-K	α_w	Flammability / Reaction to Fire
VE12V	12	1240 x 2040	0.048-0.051	0.30	B-s2, d0
VE25V	25	1240 x 2040	0.048-0.051	0.45	B-s2, d0
VE50V	50	1240 x 2040	0.048-0.051	0.70	B-s2, d0



Siderise Studio+ FX Retardant Acoustic Foam Slab

A versatile acoustic slab with an egg box profile, offering Class 0 reaction to fire performance and sound absorption for walls and ceilings.

Specification

Product code	Thickness (mm)	Sheet size (mm)	Thermal W/m-K	α_w	Flammability / Reaction to Fire
VP25-25V	50	2040 x 1240	0.048-0.051	0.6	Class 0 to BS 476-6 & 7

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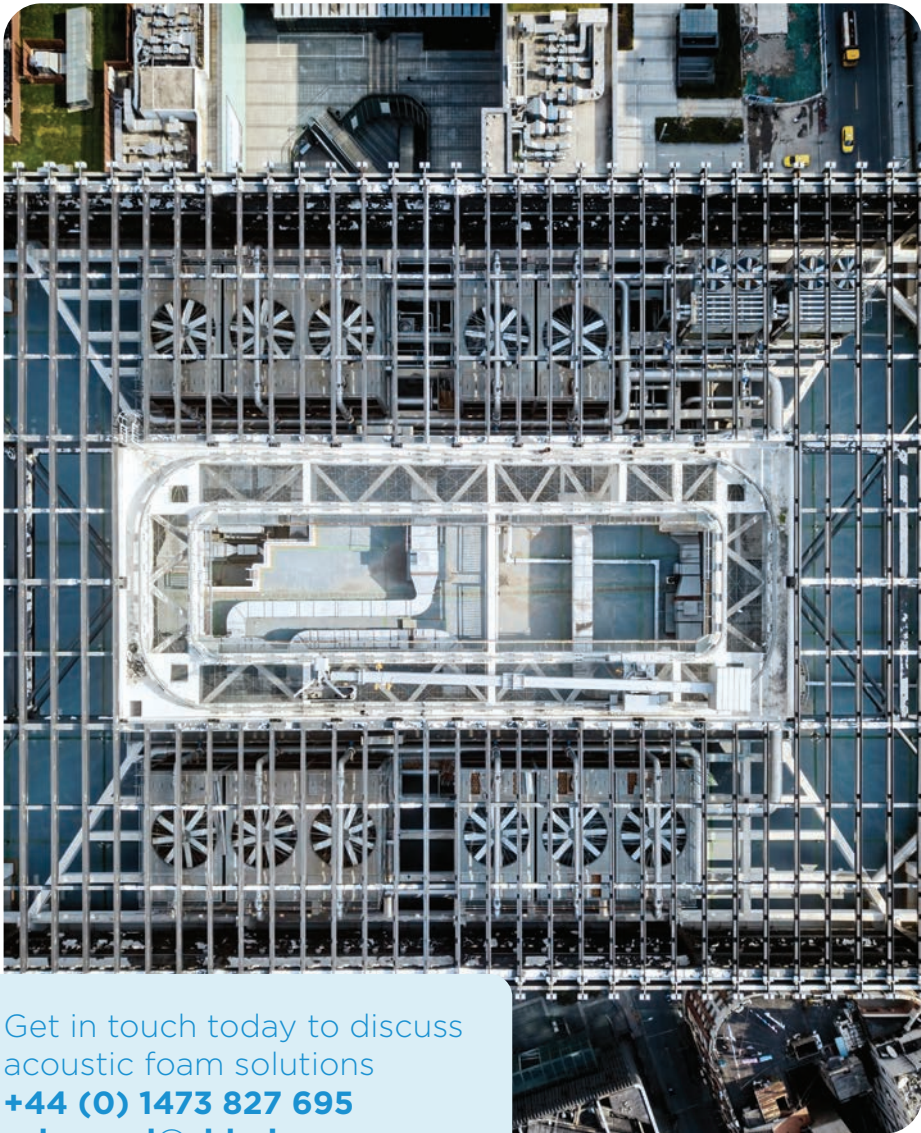


Siderise Lamacell Thermal Insulation Foam Slab

A flame retardant, closed cell thermal insulation foam for pipe lagging, duct insulation, thermal insulation for chilled service, heating ducts and pipes.

Specification

Product code	Thickness (mm)	Roll width (mm)	Surface weight	Thermal W/m-K	α_w	Flammability / Reaction to Fire
LA03.1000	3	1000	50kg/m ³	0.033	0.1	B-s3, d0 to EN 13501-1
LA06.1000	6	1000	50kg/m ³	0.033	0.1	B-s3, d0 to EN 13501-1
LA09.1000	9	1000	50kg/m ³	0.033	0.2	B-s3, d0 to EN 13501-1
LA19.1000	19	1000	50kg/m ³	0.033	0.3	B-s3, d0 to EN 13501-1
LA25.1000	25	1000	50kg/m ³	0.033	0.5	B-s3, d0 to EN 13501-1
LA32.1000	32	1000	50kg/m ³	0.036	0.55	B-s3, d0 to EN 13501-1



Get in touch today to discuss acoustic foam solutions
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Environmental acoustics

Noise reduction treatment



Custom print design acoustic barriers

15

Acoustic barriers

16 - 17



Customised printing on the sound barrier fence allows you to display any message, company logo, or QR code for advertising purposes, effectively conveying your message at outdoor events or in public areas.



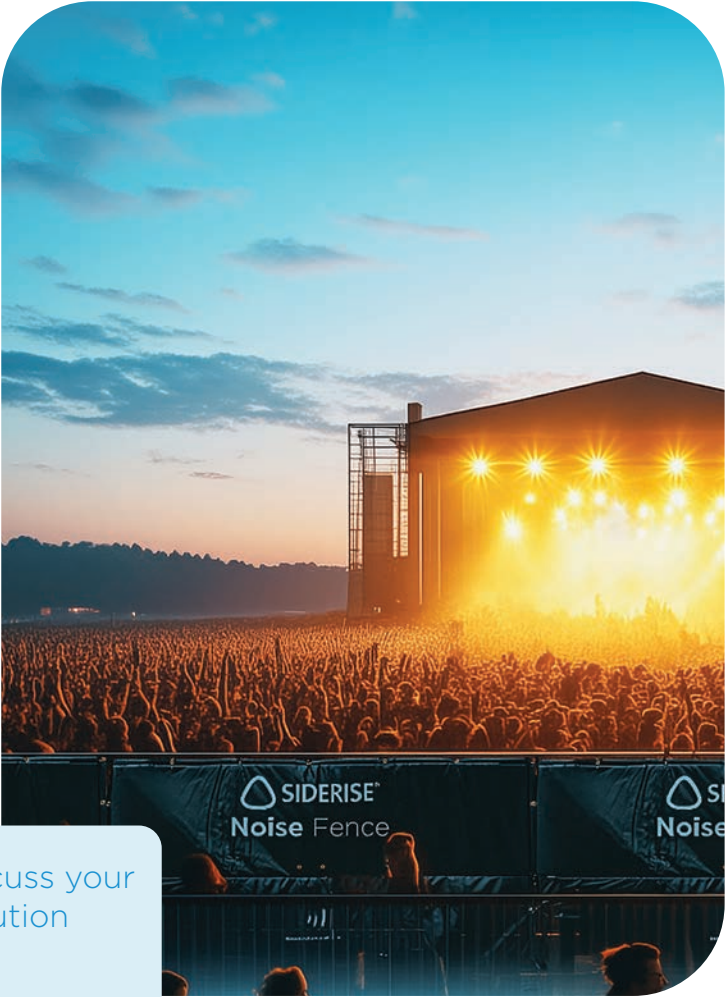
Siderise NCB MR Custom Printing



Siderise NRB Custom Printing



Siderise NCB XL Custom Printing



Get in touch today to discuss your bespoke noise barrier solution
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Our range of absorptive and reflective noise barrier solutions are acoustically engineered to manage nuisance noise arising from site works, road works, outdoor events, generators, piling rigs and compressors, helping to protect neighbouring communities from noise pollution. They offer a robust and durable, yet cost-effective flexible weather resistant mass barrier composite solution that can withstand the tough conditions of a working site, or the busy setting of a crowded venue.



Siderise NRB Noise Reduction Barrier

A flexible and durable sound reduction solution comprising a thin polyester non woven insulation core sandwiched between a weather resistant and washable heavy weight PVC layer either side.



Siderise NCB MR Moisture Resistant Noise Control Barrier

A foldable noise barrier featuring an acoustically absorbent non-woven fibre insulation core, fully enclosed in a weather-resistant and washable medium-weight PVC outer layer.

Specification

Product code	Sheet size (mm)	Weight (kg)	dB, R _w	α _w	Flammability / Reaction to Fire
NRB-00001	1200 x 2000	7.2	22	0.1	Type B to BS 5867-2: 2008

Specification

Product code	Sheet size (mm)	Weight (kg)	dB, R _w	α _w	Flammability / Reaction to Fire
NCBMR-00001	1200 x 2000	4.8	16	0.2	Type B to BS 5867-2: 2008 (outer PVC)

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Siderise NCB XL Noise Control Barrier

A larger size acoustic barrier featuring the same insulation core as NCB MR up to the stitch lines, with a medium-weight PVC outer facing on the front and an acoustically transparent, water-repellent acoustic-grade glass cloth on the rear to enclose the insulation.



Specification

Product code	Sheet size (mm)	Weight (kg)	dB, R _w	α _w	Flammability / Reaction to Fire
NCBXL-00001	3550 x 2000	12	17	0.5	Type B to BS 5867-2: 2008 (outer PVC)



Construction sites are particularly challenging in terms of noise control. High levels of noise can result in complaints from residential areas, action from local authorities, and your site being shut down.

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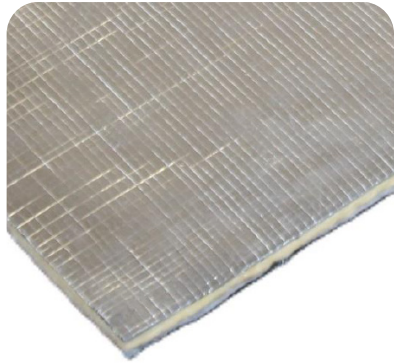
Marine acoustic solutions

High performance engineered acoustic and thermal materials designed for use in Marine applications





Siderise Marine Acoustic Composites (MAC) are a flexible acoustic barrier suited to many varied applications. They are particularly suited for use as engine room bulkhead linings but can also be used for external lining for ducts, pipes and tanks. Depending upon the specification they either have 1 or 2 flexible acoustic membranes sandwiched between layers of acoustic foam.



Siderise Aquafon Acoustic Composite

A flexible, Class 0 foil-faced acoustic membrane with resin-bonded glass fibre quilt, designed to help reduce engine noise entering cabins and living spaces. Features added moisture resistance.

Specification

Acoustic performance to BS EN ISO 10140-2: 2021.

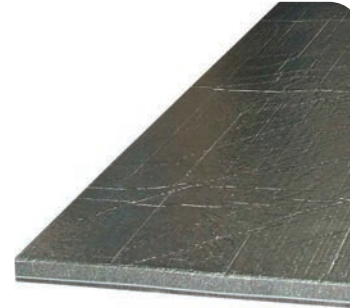
Fire performance to Recreational Craft Directive 013/53/U BS EN ISO 9094: 2017.

Product details

Product code	Size (mm)	Thickness (mm)	Surface weight	dB, R _w	Flammability / Reaction to Fire
Aquafon 5GF	1200 x 1000	27	6 kg/m ²	31*	Oxygen Index >80% at 60°C
Aquafon 10GF	1200 x 1000	30	11 kg/m ²	34*	Oxygen Index >80% at 60°C

* Tested on 12mm marine plywood bulkhead

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MAC32A Acoustic Composite

Siderise MAC32A is an flame retardant foam / barrier / foam composite.

Specification

Acoustic performance to BS EN ISO 10140-2: 2021.

Fire performance to Recreational Craft Directive 013/53/U BS EN ISO 9094: 2017.

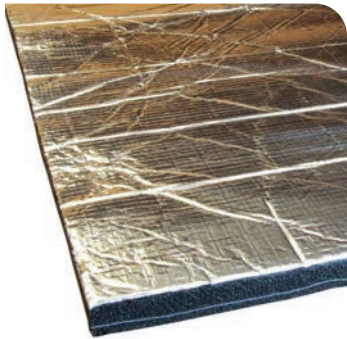
Product details

Product code	Size (mm)	Thickness (mm)	Surface weight	dB, R _w	Flammability / Reaction to Fire
MAC32A	1200 x 1200	32	6.7 kg/m ²	31*	Oxygen Index >80% at 60°C
MAC32A	1200 x 1200	32	6.7 kg/m ²	30**	Oxygen Index >80% at 60°C
MAC32A	1200 x 1200	32	6.7 kg/m ²	30***	Oxygen Index >80% at 60°C

* Tested on 12mm marine plywood bulkhead

** Tested on 0.7mm galvanised steel bulkhead

*** Tested on 1.2mm galvanised steel bulkhead



MAC32V Acoustic Composite

Siderise MAC32V is an enhanced flame retardant foam / barrier / foam composite.

Specification

Acoustic performance to BS EN ISO 10140-2: 2021.

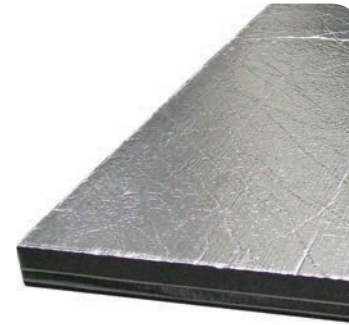
Fire performance to Recreational Craft Directive 013/53/U BS EN ISO 9094: 2017.

Product details

Product code	Size (mm)	Thickness (mm)	Surface weight	dB, R _w	Flammability / Reaction to Fire
MAC32V	1200 x 1200	32	8.4 kg/m ²	35*	Oxygen Index >80% at 60°C
MAC32V	1200 x 1200	32	8.4 kg/m ²	34**	Oxygen Index >80% at 60°C
MAC32V	1200 x 1200	32	8.4 kg/m ²	34***	Oxygen Index >80% at 60°C

- * Tested on 12mm marine plywood bulkhead
- ** Tested on 0.7mm galvanised steel bulkhead
- ***Tested on 1.2mm galvanised steel bulkhead

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MAC45A Acoustic Composite

Siderise MAC45V is an enhanced flame retardant foam / barrier / foam composite.

Specification

Acoustic performance to BS EN ISO 10140-2: 2021.

Fire performance to Recreational Craft Directive 013/53/U BS EN ISO 9094: 2017.

Product details

Product code	Size (mm)	Thickness (mm)	Surface weight	dB, R _w	Flammability / Reaction to Fire
MAC45V	1200 x 1200	45	13.4 kg/m ²	36*	Oxygen Index >80% at 60°C
MAC45V	1200 x 1200	45	13.4 kg/m ²	34**	Oxygen Index >80% at 60°C
MAC45V	1200 x 1200	45	13.4 kg/m ²	34***	Oxygen Index >80% at 60°C

- * Tested on 12mm marine plywood bulkhead
- ** Tested on 0.7mm galvanised steel bulkhead
- ***Tested on 1.2mm galvanised steel bulkhead

We understand that yacht builders want to maximise space, minimise weight and deliver maximum performance to their clients. Our marine insulation solutions provide them with exactly what they are looking for.



Rail acoustic solutions

Acoustic and thermal materials designed for rail applications



We can provide tailored thermal, fire and noise control solutions for rail vehicles from mainline to metro, light rail to locomotives.

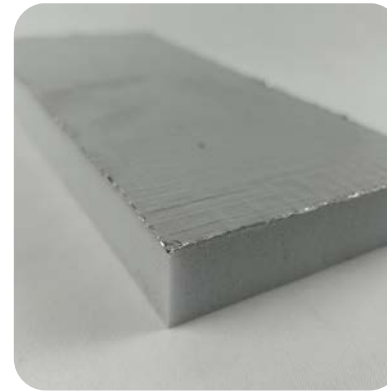


Siderise R-PF Rail Insulation Slab

A lightweight, foil-faced PET thermo-acoustic insulation panel designed for railway rolling stock, offering effective sound absorption within structural cavities.

Product details

Form supplied	Thickness (mm)	Density (kg/m ³)	Thermal W/m·K	Flammability / Reaction to Fire
Sheet / Cut parts	10, 20, 40	50	0.04	HL1, HL2, HL3 EN45545-2:R1, R7



Siderise R-TI Rail Thermal Insulation

A aluminium foil faced lightweight, melamine foam with fine open cells, providing sound absorption and thermal insulation for rolling stock walls, floors, ceilings, and external linings.

Product details

Form supplied	Thickness (mm)	Density (kg/m ³)	Flammability / Reaction to Fire
Sheet / Cut parts	10, 20, 40	9	HL1, HL2, HL3 EN45545-2 R1



Looking for a solution to your rail needs?

Contact us here for a quote: sales.sspl@siderise.com

Contact us for more information
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Siderise Special Products operates to the the highest standards under a management system certified to:

ISO 9001: 2015, (Quality management systems)

Consistently meeting customer and regulatory requirements while enhancing customer satisfaction.

ISO 14001: 2015 (Environmental management systems)

Framework for managing our environmental responsibilities systematically and sustainably.

ISO 45001: 2018 (Occupational health and safety management systems)

Proactive risk management. for the creation of safe and healthy workplaces.

ISO 50001:2018 (Energy Management Standard)

A structured framework for managing and reducing our energy use, supporting long-term sustainability and aligning with our ESG commitments.

Ecovadis Gold

Among the top 5% of all assessed organisations globally for sustainability performance.



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Siderise (Special Products) Limited

**Global experts in engineered acoustic
and thermal solutions**

v1.00 - March 2026

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