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# SIDERISE AQUAFON

A high-performance acoustic treatment  
for marine engine rooms and bulkheads.



# SIDERISE AQUAFON

Modern yachts are designed to offer unrivalled luxury and power. However, these purposes can come into conflict when engine noise threatens to disrupt the experience for owners, guests, and crew on board. Aquafon has been developed to solve this issue.

## Product Description

Aquafon is a range of soft, flexible acoustic barrier quilts designed and tested to offer a moisture-resistant solution for reducing engine noise transmission into the main cabin and living spaces, helping to ensure a relaxing ambience, and protecting all on board from the effects of noise.

The two products in the range are made from a multi-layered composite sheet which has been engineered to offer an excellent weight-to-performance ratio at reduced thickness — all whilst offering excellent fire performance. Thanks to this, Aquafon is easy to install without compromising internal space. Meanwhile, its attractive Class 'O' reinforced aluminium foil outer layer, provides an effective vapour barrier and a professional finish resistant to oil/fuel ingress.

## Applications

- Recreational craft up to 24m and carrying up to 12 people
- Engine room bulkhead lining
- External lining sheet for ducts, pipes and tanks

## Benefits

- Recreational Craft Directive 2013/52/EU and ISO 9094:2015 compliant for engine compartment insulation
- Insulation shall present non fuel absorbent surface towards the engine
- Insulation shall not support combustion
- Insulation shall have an oxygen index (OI) of at least 21 according to ISO 4589-3
- Class 'O' fire rated (BS476 Part 6 and Part 7)
- High acoustic performance
- Good noise dampening characteristics
- Flexible and easy to install



## Performance

	Properties		Acoustic Performance**	Fire Performance	
	Thickness	Surface Mass	Laboratory measured SRI Rating according to BS EN ISO 717-1:2013 (on plywood bulkhead)	National Class (to BS 476 Parts 6 and 7)	ISO 4589-3:2017 Elevated oxygen index at an elevated temperature of 60°C
Siderise Aquafon 5GF	27mm nominal	6kg/m <sup>2</sup> nominal	31dB Rw*	Class 0	>80
Siderise Aquafon 10GF	30mm nominal	11kg/m <sup>2</sup> nominal	34dB Rw*	Class 0	>80

\*'Rw' is the weighted sound reduction index, this is a single figure acoustic performance parameter. For further information on the sound reduction performance at different frequencies, please refer to the Aquafon Technical Datasheet. At higher frequencies, the sound insulation performance is significantly greater than 34dB.

\*\*Typical level of improvement in sound reduction performance for the application of a single layer of Aquafon 10GF to a 12mm plywood bulkhead is: 18dB (mean value for frequency range 100 - 3150 Hz).

**For more information on product performance, installation advice and further details, please see the Aquafon Technical Datasheet.**

# BY YOUR SIDE®

## **Siderise Special Products**

Over 25 years' experience working with the best in European boat building, finding solutions to the challenges presented by marine craft noise control.

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