

Quiet Acoustics are a world leading noise control group, working for major architectural, resource, industrial and civil clients to deliver safe, efficient, and economical work site solutions where noise is a problem.



CERTIFICATIONS



European Union Equipment Directive (EDU-MED) 96/98/EC.



DNV Type Approval – SOLAS C-Class



US Coast Guard Certificate of Approval



IMO SOLAS MSC 61(67) Fire Test



Meets IMO Res.A.653(16) Surface Spread of Flame.



ISO 1182 Non-Combustibility



MIL- C - 7438 for salt fog anti-corrosion performance.

KEY FEATURES

Cancels noise from 100-10,000Hz

Non-fibrous

Non-Combustible

Stiff, strong, light and durable

5000 series alloy – extreme weather proof

East to cut and assemble

Powder coated, or painted on site

Wide selection of assembly extrusions

FABRICATION



Quiet Acoustics panels can be easily cut and drilled with standard tools, such as circular saws, routers, jig saws etc.



Face sheets must be clean and free from any oil or grease before painting or bonding. Etching primer is recommended prior to spray painting.



Components and complete interiors can be fabricated using Quiet Acoustics Panels anodised aluminium extrusions, cutters and polyurethane paste adhesives.

Can be drilled and mechanically fastened to structures. Use load spreading washers to avoid crushing the honeycomb.

Quiet Acoustics

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ABOUT QUIET ACOUSTICS

Quiet Acoustics supply micro-perforated aluminium honeycomb panels to passively cancel noise, responsible for annoyance, heart disease, drops in cognitive performance, anxiety, stress, sleep deprivation, fatigue and ear damage.

They are 100% fibre and foam free, meaning they wont combust corrode, be inhaled, fill with dust, sag, rot, collect bacteria, or degrade over time, making them ideal for industrial and offshore environments.

The lightweight structural panels are fully certified offshore and globally for non-combustion, anti-corrosion, strength and acoustic performance.

They are easily cut and fabricated using standard extrusions to form unlimited custom noise control enclosures, splitters, louvers, barriers, screens, doors, and hatches.

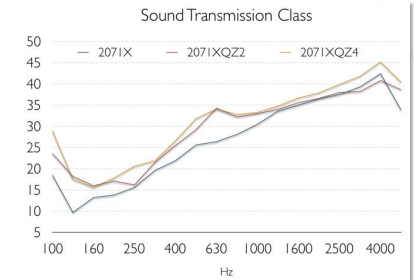
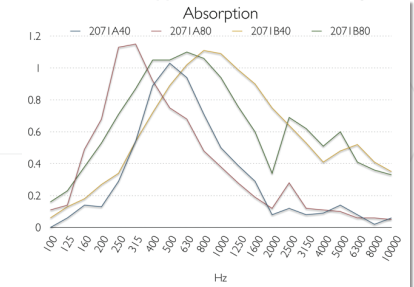
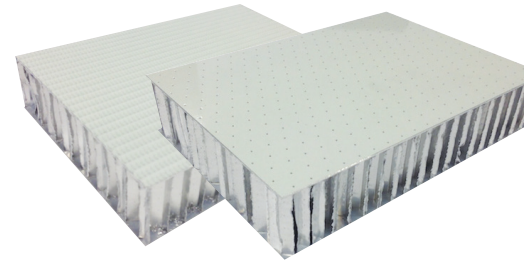
They are a cost effective and advanced direct replacement for mineral fibre/perforated sheet metal acoustic construction, and are being adopted the world over by leading acoustic engineers for everything from low pitch engine and compressor noise to high pitch grinding and turbine noise.

Quiet Acoustics supply raw panels through to complete fabricated solutions. We work closely with acoustic consultants to deliver world leading acoustic solutions.

COMPLETE INDUSTRIAL NOISE CONTROL

Quiet Acoustic panels are 100% Aluminium lightweight structural honeycomb sandwich panels, micro-perforated on one skin, and engineered to resonate and cancel noise.

Sound waves contact the panel, compressing the air in the cells. This produces a sound wave opposite in phase to the noise, cancelling it completely. No fibres, no mass, no noise.



APPLICATIONS

- Machinery and plant enclosures.
- Fixed wall barriers and screens.
- Portable noise barriers.
- Acoustic doors.
- Enclosed space attenuation/panel noise absorbers.
- Partition walls in offshore and onshore accommodation.
- HVAC duct splitters.
- Marine engine bays.
- Rail line barriers.
- Traffic noise barriers.
- Ceiling grid tiles.

CODE	THICKNESS	WIDTH	LENGTH	CORE MATERIAL	Kg/m2	Mechanical Properties				Acoustic Properties				FRONT SKIN	BACK SKIN
						MAX. BENDING LOAD 2.4m span (Kg)	DEFLECTION AT MAX. LOAD 2.4m span (mm)	SKIN COMP. (MPa)	STC	Rw	NRC	ABSORPTION BAND			
2071A-40	40MM	2400MM	1200MM	ALUMINIUM	4.94	365	8	2.6	28	28(-2;-5)	0.5	250Hz-1600Hz	0.9MM MICROPERFORATED ALUMINIUM	0.3MM MILL FINISHED ALUMINIUM	
2071A-40S	40MM	2400MM	1200MM	ALUMINIUM	6.62	365	8	2.6	28	28(-2;-5)	0.5	250Hz-1600Hz	0.9MM MICROPERFORATED ALUMINIUM	0.9MM MICROPERFORATED ALUMINIUM	
2071B-40	40MM	2400MM	1200MM	ALUMINIUM	4.94	365	8	2.6	28	28(-2;-5)	0.75	160Hz-10,000Hz	1MM CORRUGATED ALUMINIUM	0.3MM MILL FINISHED ALUMINIUM	
2071B-40S	40MM	2400MM	1200MM	ALUMINIUM	6.62	365	8	2.6	28	28(-2;-5)	0.75	160Hz-10,000Hz	1MM CORRUGATED ALUMINIUM	1MM CORRUGATED ALUMINIUM	
2071A-40QZ2	40MM	2400MM	1200MM	ALUMINIUM + 2KG QUADZERO LAYER	6.94	365	8	2.6	30	30(-1;-5)	0.5	250Hz-1600Hz	0.9MM MICROPERFORATED ALUMINIUM	0.3MM MILL FINISHED ALUMINIUM	
2071A-40QZ4	40MM	2400MM	1200MM	ALUMINIUM + 4KG QUADZERO LAYER	8.94	365	8	2.6	32	32(-1;-5)	0.5	250Hz-1600Hz	0.9MM MICROPERFORATED ALUMINIUM	0.3MM MILL FINISHED ALUMINIUM	
2071B-40QZ2	40MM	2400MM	1200MM	ALUMINIUM + 2KG QUADZERO LAYER	6.94	365	8	2.6	30	30(-1;-5)	0.75	160Hz-10,000Hz	1MM CORRUGATED ALUMINIUM	0.3MM MILL FINISHED ALUMINIUM	
2071B-40QZ4	40MM	2400MM	1200MM	ALUMINIUM + 4KG QUADZERO LAYER	8.94	365	8	2.6	32	32(-1;-5)	0.75	160Hz-10,000Hz	1MM CORRUGATED ALUMINIUM	0.3MM MILL FINISHED ALUMINIUM	
2071A-80	80MM	2400MM	1200MM	ALUMINIUM	6.52	565	4	2.6	28	28(-2;-5)	0.6	125Hz-1,250Hz	0.9MM MICROPERFORATED ALUMINIUM	0.3MM MILL FINISHED ALUMINIUM	
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