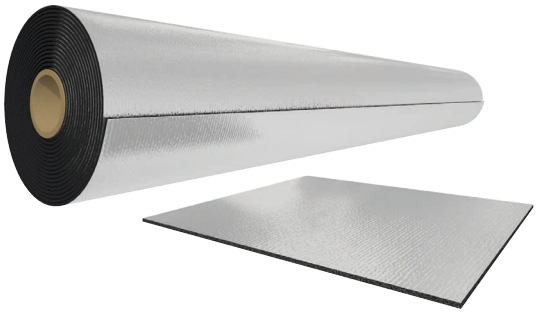
Foil Faced Flexible Noise Barrier Range



Quadzero is a range of foil faced flexible noise barrier materials, built on the respected **Wavebar**® series. **Quadzero** is tested to AS 1530.3-1999 and as such meets all current building requirements for fire resistance. The reflective foil facing provides fire resistance and additional thermal performance when **Quadzero** is used in building applications.

It remains the easiest and most effective means to reduce noise through walls, floors and ceilings in boats, ships, buildings, automobiles and trucks.

It's a specially engineered material consisting of a mineral loaded polymer supported by a reinforced fabric, which allows it to be suspended, up to the full roll length.

Quadzero provides ideal performance in reducing environmental noise from jack-hammers, drilling rigs and pile drivers, even in open cast and tunnel mining operations. When used in these applications, the foil facing provides a reflective surface to improve workplace lighting efficiency.

It's supplied in a number of easy to use formats, allowing the utmost convenience in forming an effective barrier to low and high frequency noise.

Quadzero is easily taped at joins (foil side) using one of the many **Tape**® **ALR** pressure sensitive tape systems.

FEATURES

- Available in a range of weights 2, 4, 6, 8, 10kg/m^2
- Tested to AS1530.3-1999
- Easy to cut and fabricate around pipe penetrations, ducting, cabling, studs and bearers
- Easy to install
- High tensile strength
- High tear strength
- Chemically resistant to oils, alkalis and acids
- Use for long vertical drops
- Can be nailed, screwed, sewn and taped (foil side)
- Laminate to curved surfaces
- Drapable
- Australian designed and made
- Thermal Conductivity - 'K' value = 0.49

APPLICATIONS

- Marine vessels and vehicles as flooring mats and engine curtains
- Exclusion of traffic and aircraft noises in homes, apartments and offices
- Portable and reusable noise barrier screens
- Partition walls
- Under floor
- Above ceilings
- Acoustic doors
- Soft enclosures for factory fans and machinery housings and enclosures.
- Strip curtains/drapes
- Noise curtains for reduction of noise from jack-hammers, drilling rigs, blasting and pile drivers on building sites
- Mining barrier curtains

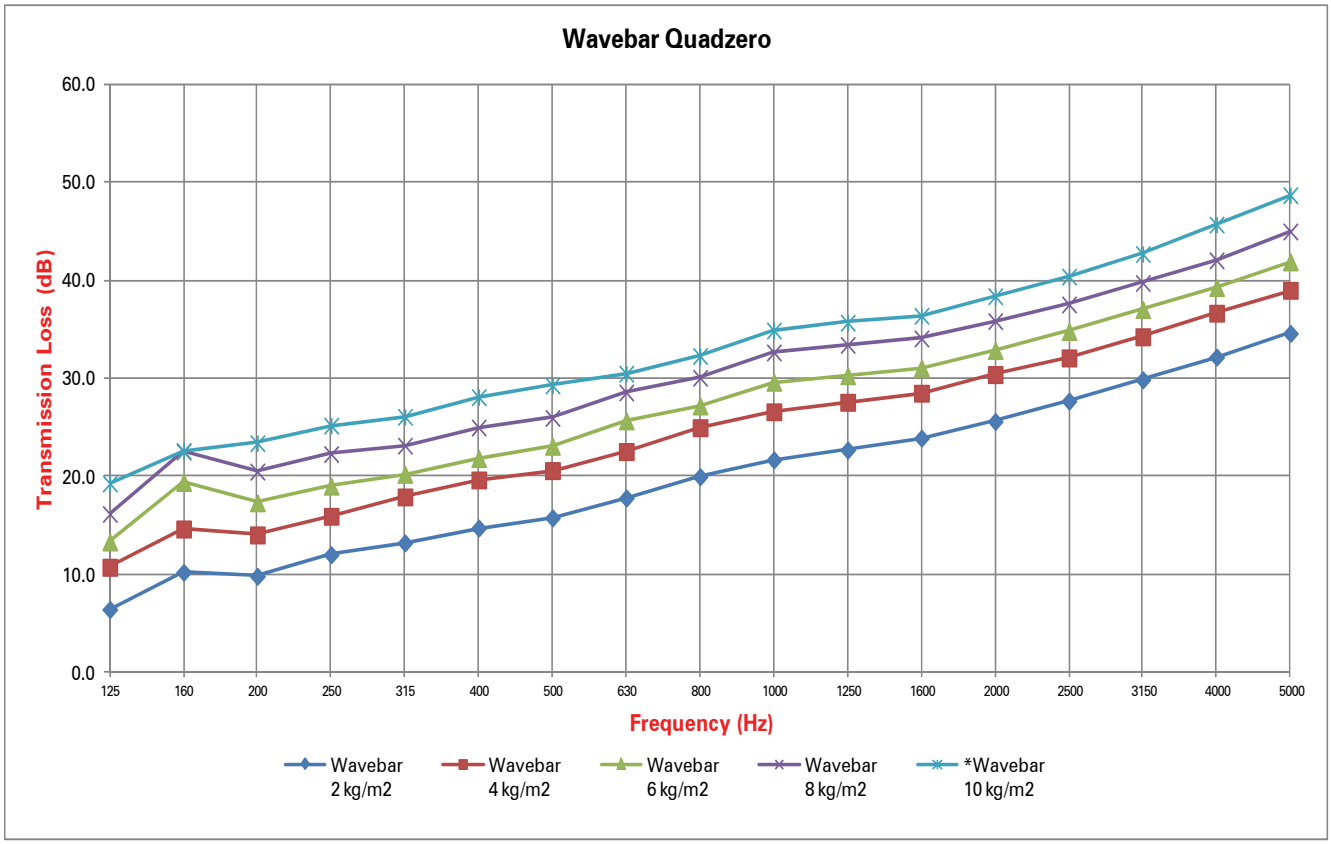
BENEFITS

- Can be used in all in-situ building applications
- Low installation cost
- Provides additional thermal insulation
- Versatility in installation method
- Variants to cover even the most demanding situations
- Proven performance with excellent industry acceptance

ACOUSTIC PERFORMANCE

(Tested at University of Canterbury in accordance with ISO 15186-1 / ISO 10140-4 Report No. 189 Issue:1)

Frequency (Hz)	Wavebar 2 kg/m²	Wavebar 4 kg/m²	Wavebar 6 kg/m²	Wavebar 8 kg/m²	*Wavebar 10 kg/m²
125	6.4	10.8	13.3	16.2	19.3
160	10.2	14.7	19.4	22.6	22.6
200	9.8	14.1	17.3	20.5	23.4
250	12.0	16.0	19.0	22.3	25.2
315	13.2	17.9	20.2	23.2	26.1
400	14.8	19.7	21.8	25.0	28.1
500	15.8	20.6	23.1	26.0	29.3
630	17.8	22.6	25.7	28.6	30.5
800	20.0	25.0	27.2	30.1	32.3
1000	21.7	26.6	29.6	32.7	34.9
1250	22.7	27.6	30.3	33.4	35.7
1600	23.9	28.5	31.1	34.1	36.4
2000	25.6	30.4	32.9	35.9	38.4
2500	27.7	32.1	34.8	37.6	40.4
3150	29.9	34.3	37.0	39.7	42.7
4000	32.2	36.7	39.3	42.1	45.7
5000	34.6	39.0	41.9	45.0	48.7
Rw	**21**	**25**	**28**	**31**	**34**
STC	**21**	**26**	**28**	**31**	**34**



Test results are based on Wavebar Original. Performance of acoustic barriers is primarily based on material weight and flexibility. Facings such as foil and vinyl will have no impact on the product's performance.

FLAMMABILITY PROPERTIES

TEST METHOD	INDEX	RESULTS	DESCRIPTION
AS 1530.3 1999	Ignitability Spread of Flame Heat evolved Smoke Developed	0 0 0 0-1*	Method for fire tests on building materials, components and structures.
IMO Res A 653(16) IMO Res MSC 61(67) Annex 2 Part 5 & Annex 2 IMO Res MSC 61(67) Annex 2 Part 2 & Annex 2	-	Complies WHEELMARK	EC Certificate of Type Examination—96/98/EC MED B (Floor Coverings)
BS 6853 Annex B2	"R" value	R 0.050	Fume measurement test
BS 6853 Annex D 8.6	Ao(Max)	Cat 1b	Smoke density test
BS476 part 7	Class1 Class2 Class3	Class 1	Lateral spread of flame test
FMVSS-302	Burn Rate - mm/min	Self Extinguishing	FMVSS-302 specifies burn resistance requirements of materials. .

* SDI is reported 0 -1 due to the inability of the smoke measurement equipment to resolve an index of zero.

PRODUCT SPECIFICATIONS

BARRIER WEIGHT Kg/m²	THICKNESS mm	K value	ROLL WIDTH mm	ROLL LENGTH (Lineal Metres)	WEIGHT Kg	CEILING ATTENUATION CLASS (CAC)	OPERATING TEMPERATURE RANGE
2	1.3	0.49	1350	10	28	44 (Rep #1011-DR28)	- 20 to 100°C
4	2.0	0.49	1350	5 or 10	28 - 56	48 (Rep #1011-DR29)	- 20 to 100°C
6	3.1	0.49	1350	5	42	-	- 20 to 100°C
8	4.0	0.49	1350	5	55	50 (Rep #1011-DR30)	- 20 to 100°C
10	4.9	0.49	1350	2.5	35	-	- 20 to 100°C

Tolerances:
Length: -0/+50mm
Width: -0/+5mm
Thickness: +/- 0.5mm
Weight: +/- 5%

MISCELLANEOUS PROPERTIES

TEST METHOD	INDEX	RESULTS	DESCRIPTION
ASTM D 5116 -TVOC Emission	Recognised threshold of 0.5 mg/m/m²/hr; eg "Green Star"	<0.28 mg/m²/hr (24 hrs)	Determination of organic emissions from in-door material /products

Report No: CV110216

NOTES: Specifications are subject to change without notice. The data listed in this document is typical of average values based on tests conducted by independent laboratories or by the manufacturer. They are indicative only of the results obtained in such tests and should not be considered as guaranteed maximums or minimums. Materials must be tested under actual service to determine their suitability for a particular purpose. The conclusions drawn from acoustic test results are as interpreted in writing by qualified independent testing authorities, where possible. Even so, always seek the opinion of your own acoustic engineer as to the meaning of any data presented by the manufacturer as it is applied to any given project or use.
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