



BARRIER

AcoustiFlex[®] SQ

the high performance flexible noise barrier



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AcoustiFlex®SQ flexible noise barrier is one of the most effective sound solutions on the market for aircraft noise, traffic and railway disturbance.

The AcoustiFlex®SQ range of noise barriers are highly effective against a wide variety of external noises such as from aircraft noise, motor vehicles, rail transportation, neighbouring properties, adjoining offices and noisy equipment.

AcoustiFlex®SQ can also greatly reduce noise at construction sites when hung from an overhead structure or draped over temporary fencing. It can easily be wrapped around noisy fans or pumps or used in walls or ceilings to reduce noise from adjacent rooms, improving the privacy of rooms within the home, offices, boardrooms or a practitioners' practice.

Now available as;

AcoustiFlex® SQ 25

AcoustiFlex® SQ 40

AcoustiFlex® SQ 60

AcoustiFlex® SQ 80

AcoustiFlex®SQ consists of a flexible micro-cellular membrane bonded to an aluminium facing foil and reinforced polyester backing.

The AcoustiFlex®SQ has extremely good sound attenuation over the full frequency spectrum.

Typically, the AcoustiFlex®SQ range achieves better results than competitors' products;

AcoustiFlex®SQ 25 equivalent to a 4kg competitor barrier

AcoustiFlex®SQ 40 equivalent to a 6kg competitor barrier

AcoustiFlex®SQ 60 equivalent to an 8kg competitor barrier

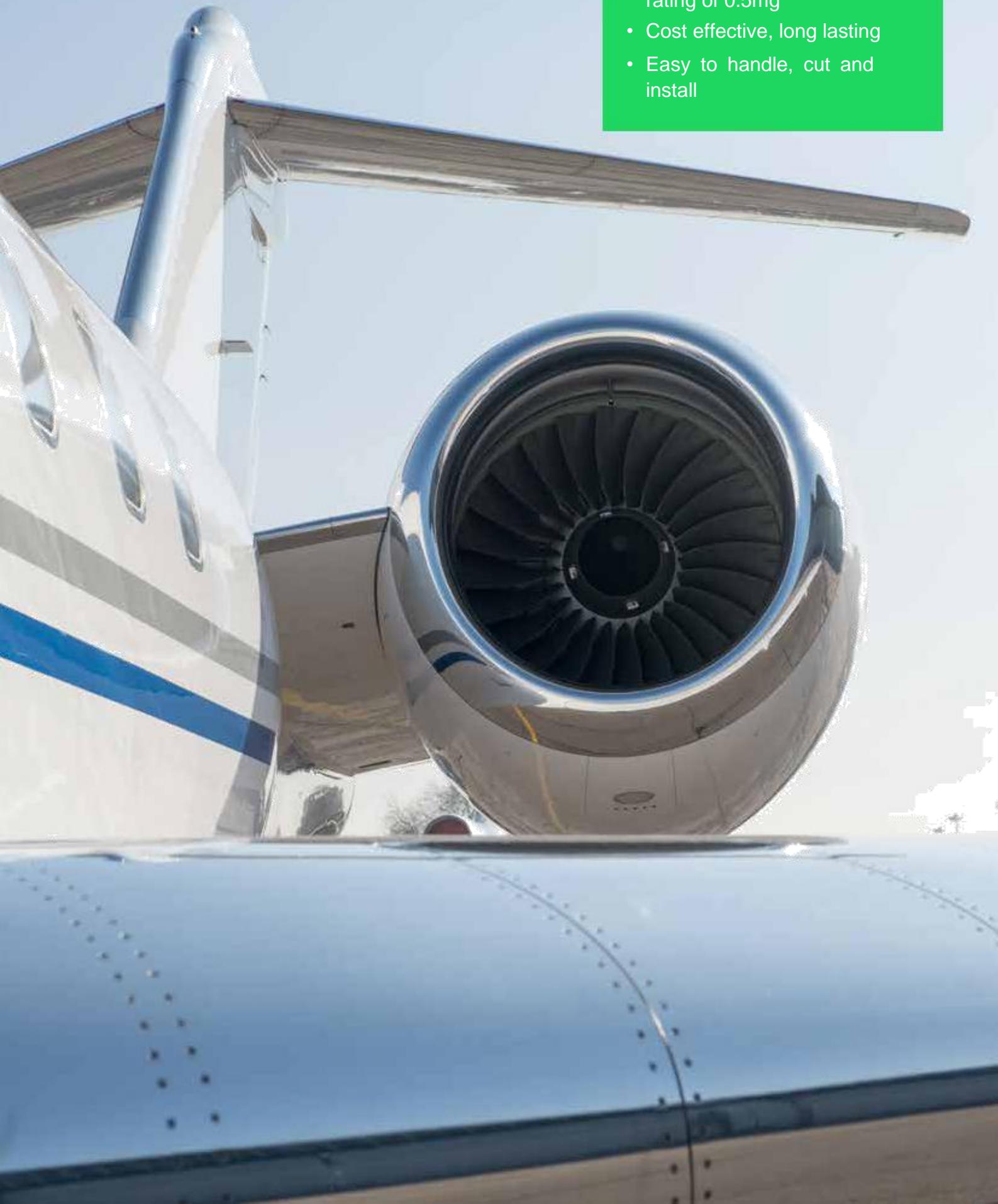
AcoustiFlex®SQ 80 equivalent to a 10kg competitor barrier

AcoustiFlex®SQ has been tested and certified by the CSIRO Division of Materials Science and Engineering to AS1530.3 standard for fire hazard properties.



Key benefits

- Meets AS1530.3 for fire performance
- Low VOC's - less than that required for GreenStar rating of 0.5mg
- Cost effective, long lasting
- Easy to handle, cut and install



Features

- Proudly made in Australia
- High Acoustic Performance
- Lighter compared to competitor's alternatives for the same performance
- 10 year guarantee
- Easy to handle, cut and install
- Environmentally safe
- Low cost, long lasting
- Low VOCs (Less than a recognised threshold of 0.5mg 'Green Star')
- Available in different weights (other configurations available on request)

Applications

- Highly effective in ceilings/roofs against overhead aircraft noise and rain
- Reduces external noise from traffic, trains and neighbours by treating walls and ceilings
- Contains internal noise within home theatres, entertainment areas and machinery rooms
- Provides confidentiality and privacy in offices, meeting rooms, doctors and lawyers consulting rooms
- Portable acoustic screens
- Greatly reduces noise at construction sites when hung from an overhead structure or draped over temporary fencing to create an acoustic barrier
- Can be used to reduce noise transmission into an automotive cabin.

Configurations

Standard Roll dimensions:

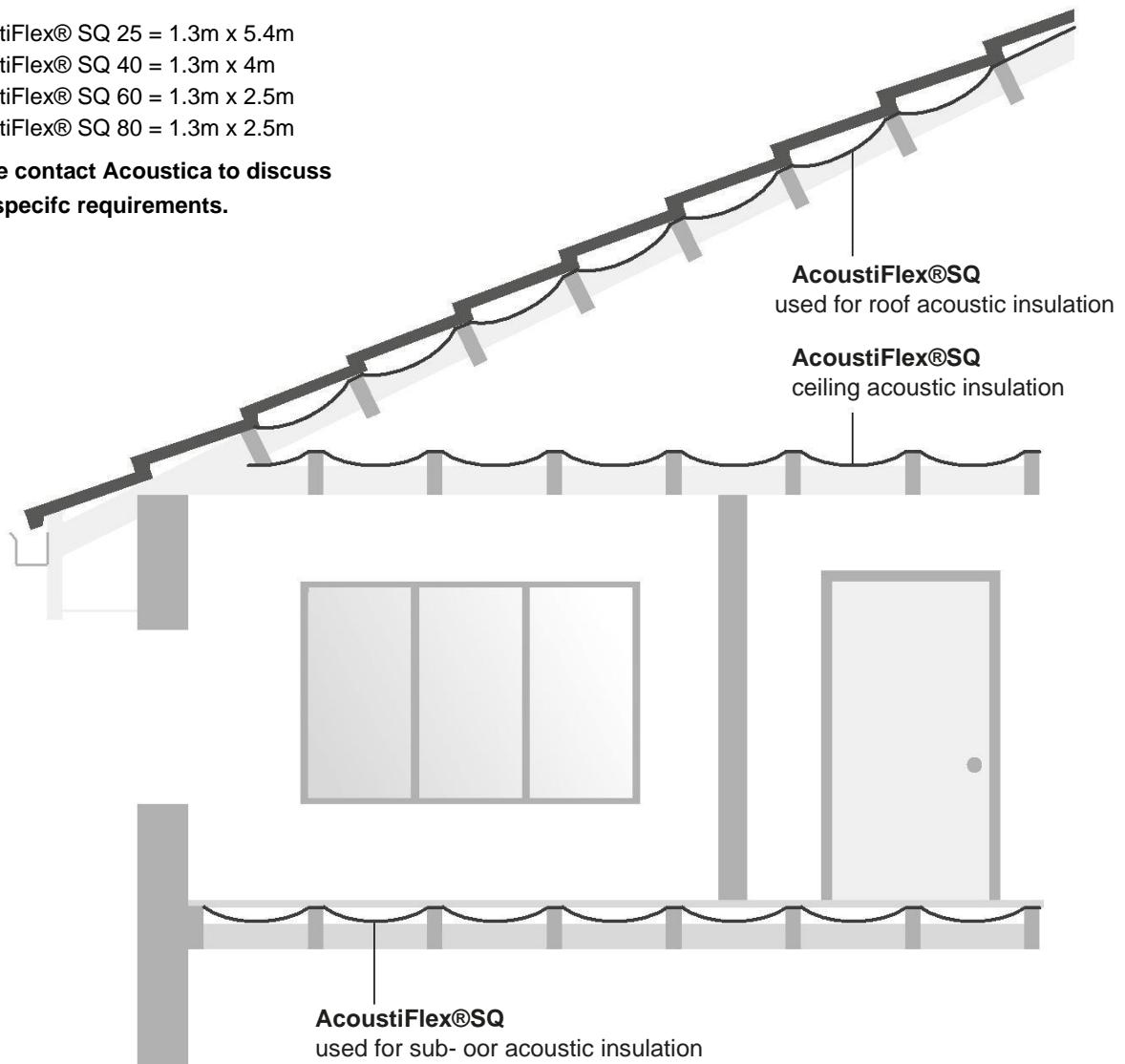
AcoustiFlex® SQ 25 = 1.3m x 5.4m

AcoustiFlex® SQ 40 = 1.3m x 4m

AcoustiFlex® SQ 60 = 1.3m x 2.5m

AcoustiFlex® SQ 80 = 1.3m x 2.5m

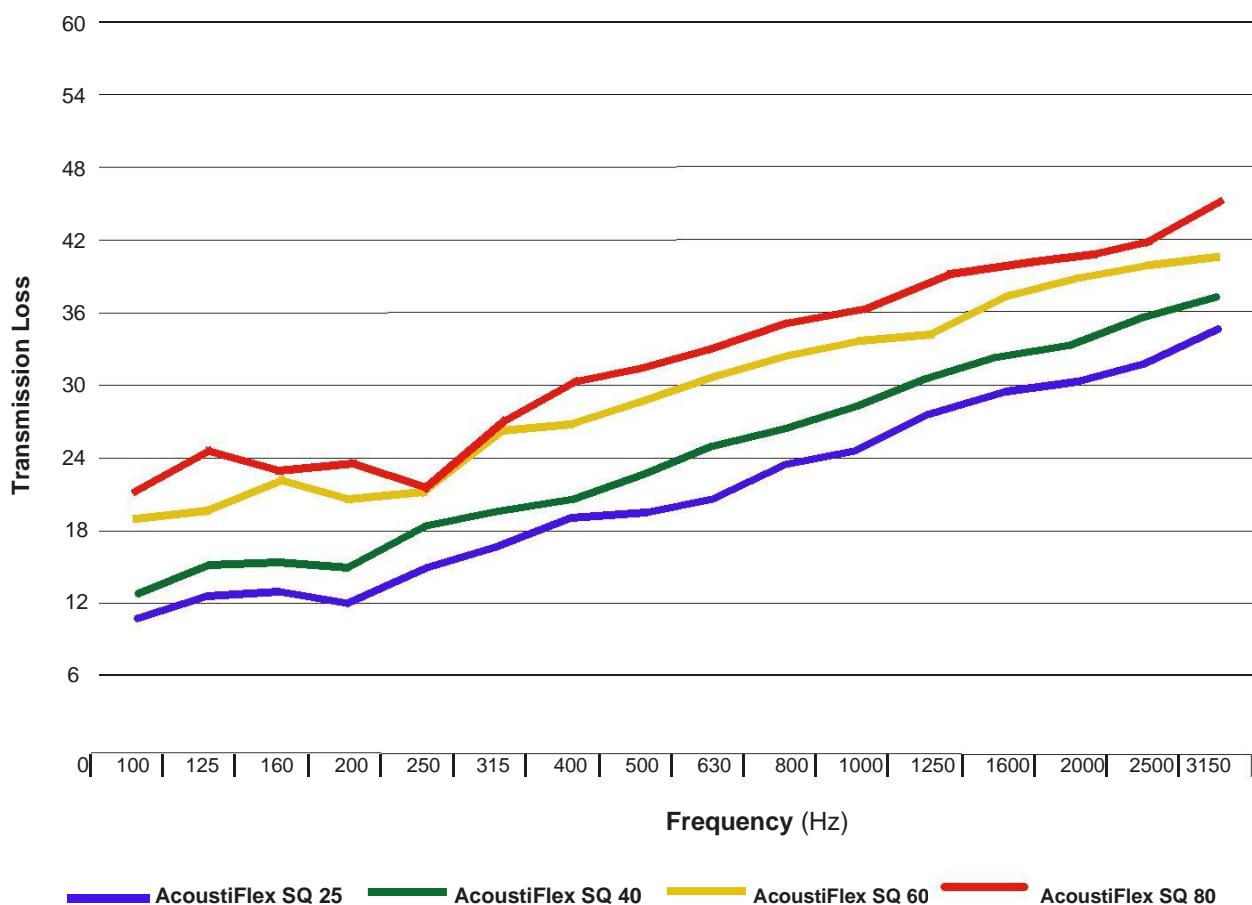
Please contact Acoustica to discuss your specific requirements.



**Lightweight, easy
to install and highly
effective barrier
to reduce noise
penetrating through
ceiling and wall
spaces.**



Comparison Transmission Loss Tests



Acoustic Tests

Test	Description	Frequency (Hz)	AcoustiFlex SQ® 25	AcoustiFlex SQ® 40	AcoustiFlex SQ® 60	AcoustiFlex SQ® 80
ASTM E2249-02	Standard test method for laboratory measurement of airborne transmission loss of building partitions and elements using sound intensity.	100	10.5	12.9	21.0	22.5
		125	12.2	15.2	21.6	24.9
		160	12.7	15.7	23.4	23.1
		200	12.0	14.8	22.1	23.8
		250	15.6	18.5	22.7	27.1
ISO 15186-1:2000	Acoustics - Measurement of sound insulation in building elements using sound intensity - Part 1: Laboratory measurements	315	17.0	19.5	26.3	27.9
		400	19.2	21.7	26.7	30.7
		500	19.9	23.1	29.3	31.9
		630	21.4	25.1	30.9	33.7
		800	23.0	26.7	32.0	35.3
ASTM E413-16	Classification for rating sound insulation	1000	24.8	28.4	33.7	36.2
		1250	27.3	30.8	34.8	38.7
		1600	29.0	31.8	37.5	39.6
ISO 717-1:2013	Rating of sound insulation in buildings and of building elements. Part 1: Airborne sound insulation	2000	30.3	33.3	38.3	40.6
		2500	32.6	35.6	39.3	42.1
		3150	34.0	37.0	40.1	44.6
DOCUMENT NO.	009/REP/XI/2023	Rw	24	28	35	36
		STC	24	28	35	36

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