



acoustica[®]
the quiet Australian

BARRIER

AcoustiFlex[®] SQ

flexible noise barrier



acoustica.com.au

AcoustiFlex® SQ

high performance flexible noise barrier

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

Acoustica's AcoustiFlex®SQ (formerly known as AcoustiFlex) noise barrier is highly effective against external noise from aircraft, motor vehicles, rail transportation, neighbouring properties and adjoining offices. Greatly reduces noise at construction sites when hung from an overhead structure or draped over temporary fencing. Available as AcoustiFlex® SQ 27, AcoustiFlex® SQ 29 and AcoustiFlex® SQ 31.

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

The AcoustiFlex noise barrier has a matching acoustic performance of Rw 27 for The AcoustiFlex® SQ 27 (Wilkinson & Murray test results following page).

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

Typically the AcoustiFlex®SQ 27 achieves the equivalent Rw of a competitors 4kg noise barrier, AcoustiFlex®SQ 29 = 6kg noise barrier and AcoustiFlex®SQ 31 = 8kg noise barrier.

AcoustiFlex®SQ has been certified by the CSIRO Division of Materials Science and Engineering as Group 1 Fire Rated.





Key benefits

- Group 1 Fire Rating
- Low VOC's - less than that required for GreenStar rating of 0.5mg
- Cost effective, long lasting
- Easy to handle, cut and install

Features

- Group 1 Fire Rating
- Low cost, long lasting
- 10 year guarantee
- Low VOCs (Less than a recognised threshold of 0.5mg 'Green Star')
- Easy to handle, cut and install
- Available in different weights (other configurations available on request)
- Environmentally safe (no protective wear required)
- Proudly made in Australia

Description

AcoustiFlex SQ flexible noise barrier and vibration damping material, has a soft and cellular structure which increases 'Vibration Dampening' and thus for a given weight and thickness will achieve a better STL (Sound Transmission Loss).

- Low Volatile Organic Compounds (VOC's)

Standard Roll dimensions:

AcoustiFlex® SQ 27 = 1.3m x 5.4m

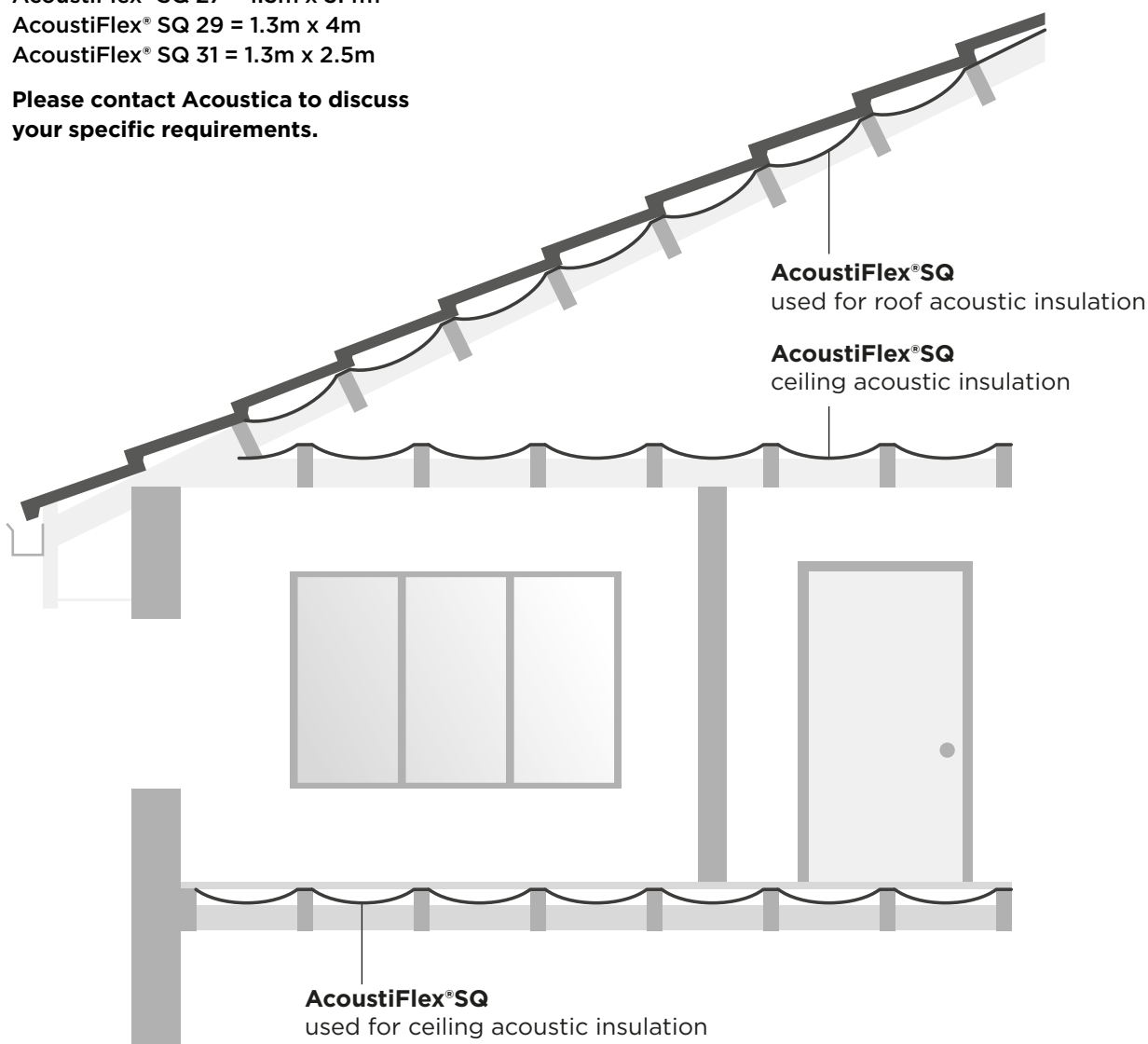
AcoustiFlex® SQ 29 = 1.3m x 4m

AcoustiFlex® SQ 31 = 1.3m x 2.5m

Please contact Acoustica to discuss your specific requirements.

Applications

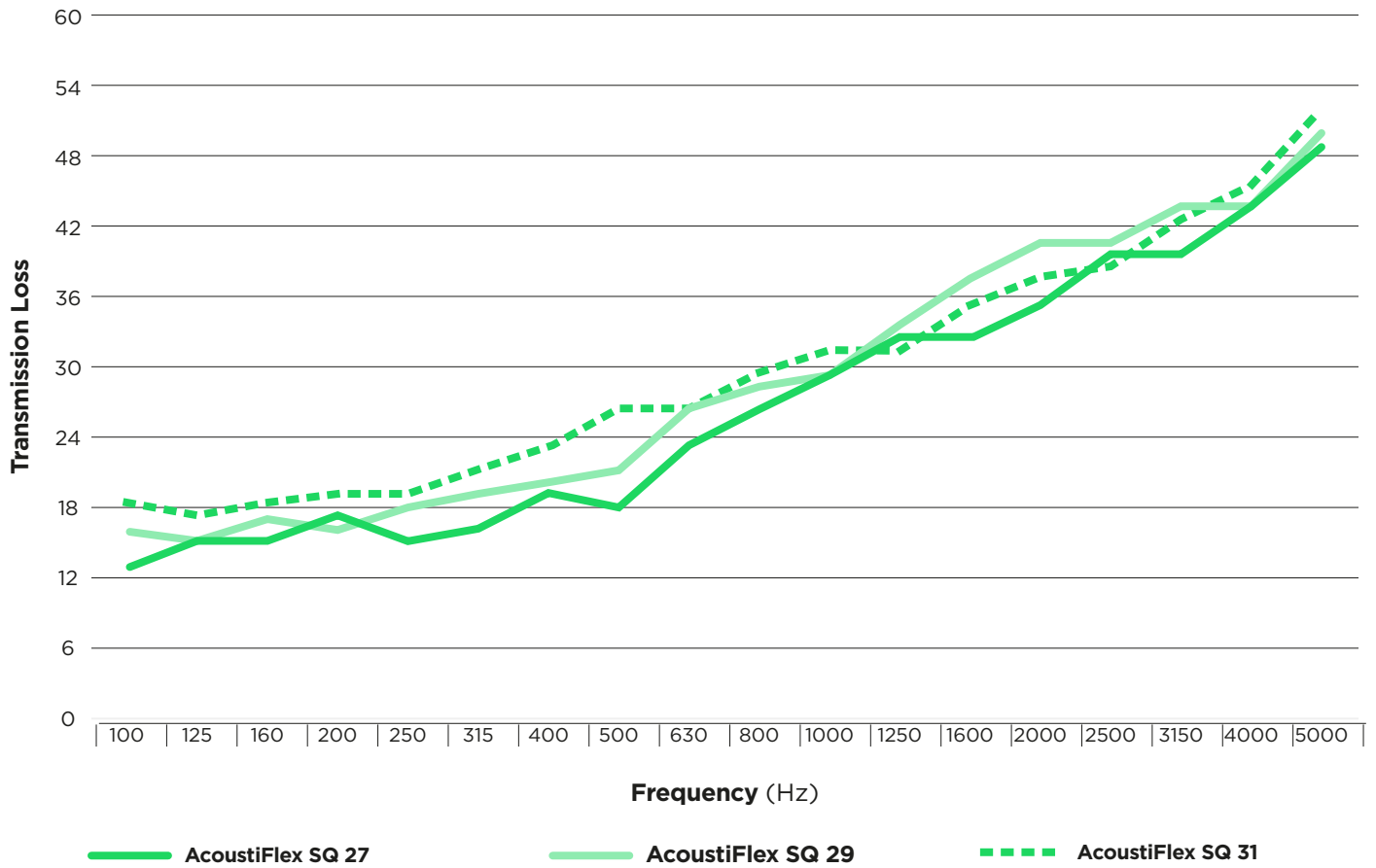
- Highly effective in ceilings/roofs against overhead aircraft noise and rain
- Reduces external noise from traffic, trains and neighbours by treating walls and ceilings
- Contains internal noise within home theatres, entertainment areas and machinery rooms
- Provides confidentiality and privacy in offices, 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 being transmitted into an automotive cabin.



Lightweight, easy
to install and highly
effective insulation
method for sound
insulation of ceiling
and wall spaces.



Comparison Transmission Loss Tests



Note The transmission loss at the frequencies of 100 and 125 Hertz have been estimated as site conditions were not suitable for measurement at these frequencies.

Test	Sample	Rw
1	AcoustiFlex SQ 27	27
2	AcoustiFlex SQ 29	29
3	AcoustiFlex SQ 31	31

Acoustica Pty Limited
25 Plasser Crescent
Nth St Marys NSW 2760
Australia

+61 2 9550 2900

acoustica.com.au