

# ACOUSTIFLEX®



ACOUSTIC BARRIER



1300 498 268 | [ENQUIRIES@ACOUSTICAPROJECTS.COM.AU](mailto:ENQUIRIES@ACOUSTICAPROJECTS.COM.AU)  
GROUND FLOOR, 6A NELSON STREET, ANNANDALE NSW 2038



**Acoustica  
Projects**

## KEY BENEFITS

- Highly effective noise barrier
- Multi-use noise control - use in walls, ceilings and roofs, hang or fasten to any surface
- Easy to handle, cut and install
- Available in three different roll sizes and different weights and thicknesses
- This acoustic barrier is unaffected by water and is highly resistant to oils and chemicals
- Offers superior performance across the whole frequency spectrum

## EFFECTIVE AGAINST

- External noise from aircraft
- Motor vehicles
- Rail transportation
- Neighbouring properties
- Adjoining offices
- Construction noise

## STANDARD FIRE RATING

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

## VOC EMISSIONS

Low VOC: <0.5mg Green Star

## DESCRIPTION

AcoustiFlex® SQ is a flexible noise barrier and vibration damping material consisting of a foamed loaded resin supported with a thermally bonded polyester and a reinforced aluminium facing.

Offering exceptional high performance, AcoustiFlex® SQ is durable yet flexible enough to be used almost anywhere noise control is needed.

Available as AcoustiFlex® SQ 27, AcoustiFlex® SQ 29 and AcoustiFlex® SQ 31.



# FEATURES

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- Flexible barrier, maximum performance - suitable for all types of noise disturbance and frequencies in particular aircraft and traffic
- Cost-effective and durable - long lasting with a 10-year guarantee
- Environmentally friendly - Low VOC's less than a recognised threshold 0.5mg Green Star
- No protective wear required for installation
- Tear-resistant
- Group 1 fire rated
- Soft visco-elastic structure increases vibration damping and has better sound transmission loss
- No plasticisers
- Standard Roll Dimensions:
  - SQ27 – 1.3m x 5.4m
  - SQ29 – 1.3m x 4m
  - SQ31 – 1.3m x 2.5m
- Weight/m2:
  - SQ27 – 2.5 kg/ m2
  - SQ29 – 4 kg/ m2
  - SQ31 – 6 kg/ m2

# APPLICATIONS

- Multi-residential walls
- Retrofits
- High confidentiality partition wall systems (for lawyers and doctors offices)
- Commercial walls and ceilings
- Improving existing partition wall and ceiling performance
- Sole occupancy unit dividing walls
- Boardroom and office division walls
- Partition wall systems to block out confidential conversations



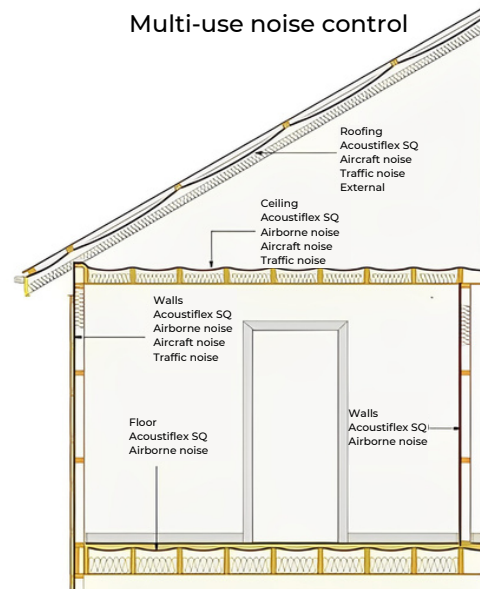
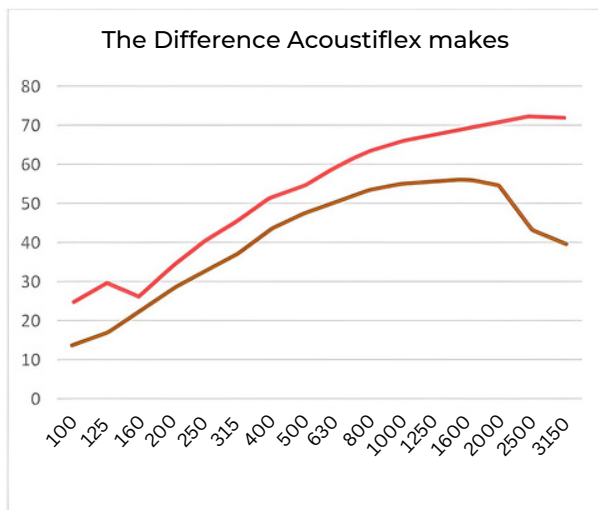
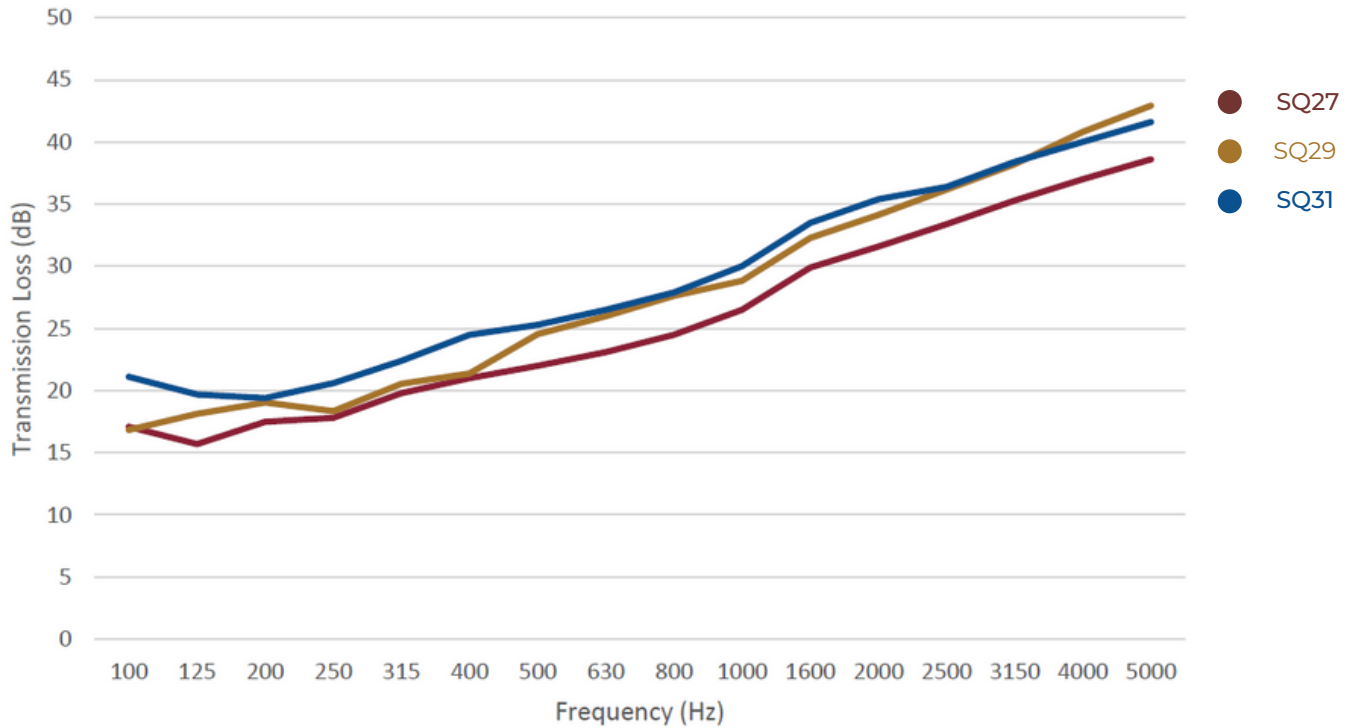
# SCORE AND TEST RESULTS

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.

Frequency (Hz)	SQ27	SQ29	SQ31
100	17.1	16.84	21.1
125	15.7	18.14	19.7
200	17.5	19.04	19.4
250	17.8	18.36	20.6
315	19.8	20.54	22.4
400	21.0	21.37	24.5
500	22.0	24.54	25.3
630	23.1	25.98	26.5
800	24.5	27.62	27.9
1000	26.5	28.83	30.0
1600	29.9	32.3	33.5
2000	31.6	34.15	35.4
2500	33.4	36.15	36.4
3150	35.3	38.21	38.4
4000	37.0	40.81	40.4
5000	38.6	42.92	41.6



## Transmission Loss for Acoustiflex®



## CONSTRUCTION

AcoustiFlex® is an acoustical panel that can be used in almost any situation calling for sound absorption. AcoustiFlex® can be nailed or adhered to wall studs and surfaces, floor and ceiling joists, incorporated in partitioning or hung as a false ceiling. It can also be joined with aluminium tape. You'll find it easy to configure this product into a variety of shapes and it will provide the acoustic performance you need.

