
soundmizer[®] range selector

trend[®] windows & doors



SoundMizer[®]





combat the noise

With the constant need to combat extremes of noise, windows and doors can often be the weakest link in the isolation of noise from outside a home.

Since sound is energy, effective barriers must have mass and density and a low resonant frequency to stop or reflect the energy.

Trend® SoundMizer® products are high performance, acoustic options designed to minimise troublesome noise.

Trend® understands this requirement. Efficient acoustic management starts with the SoundMizer® collection from Trend®.

Solutions for all of your acoustic rating requirements can be achieved with single and secondary glazing elements for any noisy environment.

For details of individual test results, consult the Trend® Sales Executive in your area or call 13 72 74 to be transferred to the nearest sales office.

trend® acoustic STC/Rw ratings chart

Primary Windows & Doors

Acoustic STC/Rw Rating	Trend® Awning Window	Trend® Sliding Door Maximum Panel Weight 80kgs	Trend® Sliding Window Maximum Sash Weight 44kgs	Trend® Double Hung Window	Trend®/Crestlite® Fixed Window	Trend® Hinged Door Maximum Panel Weight 40kgs	Trend® Bifold Door Maximum Panel Weight 40kgs
24	✓	✓	✓	✓	✓	✓	✓
25	✓	✓	✓	✓	✓	✓	✓
26	✓	✓	✓	✓	✓	✓	✓
27	✓	✓	✓	✓	✓	✓	✓
28	✓	✓	✓	✓	✓	✓	✓
29	✓	✓	✓	✓	✓	✓	✓
30	✓	✓	✓	✓	✓	✓	✓
31	✓	✓	✓	✓	✓	✓	✓
32	✓	✓	✓	✓	✓	✓	✓
33	✓	✓	✓	✓	✓	✓	✓
34	✓	✓	✓	✗	✓	✓	✓
35	✓	✓	✓	✗	✓	✓	✓
36	✓	✓	✓	✗	✓	✗	✗
37	✓	✓	✗	✗	✓	✗	✗
38	✓	✓	✗	✗	✓	✗	✗
39	✓	✗	✗	✗	✓	✗	✗

Secondary Windows & Doors

Acoustic STC/Rw Rating	Quantum® Awning Window	Quantum® Sliding Window
24	✓	✓
25	✓	✓
26	✓	✓
27	✓	✓
28	✓	✓
29	✓	✓
30	✓	✓
31	✓	✓
32	✓	✓
33	✓	✓
34	✓	✓
35	✓	✓
36	✓	✓
37	✓	✓
38	✓	✓
39	✓	✓

Acoustic STC/Rw Rating	Trend® Awning Window	Trend® Sliding Door Maximum Panel Weight 80kgs	Trend® Sliding Window Maximum Sash Weight 44kgs	Quantum® Sliding Window
37	✓	✓	✓	✓
38	✓	✓	✓	✓
39	✓	✓	✓	✓
40	✓	✓	✓	✓
41	✓	✓	✓	✓
42	✓	✓	✓	✓
43	✓	✓	✓	✓
44	✓	✓	✓	✓
45	✓	✓	✓	✓
46	✓	✓	✓	✓



For details of individual test results, consult the Trend® Sales Executive in your area or call 137274 to be transferred to the nearest sales office



acoustic solutions

Trend® SoundMizer® is designed for various construction methods and installations both new and renovation.

Various units can be utilised from single window systems to secondary glazed applications where more intense noise is prevalent.

Examples of these can be:

- Traffic noise from motorways and freeways
- Heavily trafficked suburban roads, Residential buildings near railway lines
- Aircraft flight paths either near airports or directly under flight paths
- Noise from sports grounds or entertainment precincts

The major concern to overcome is low level persistent background noise. This is applicable to most building environments like residential housing, commercial buildings, schools, hotels, hospitals, aged care facilities and offices.

While windows and doors are a major part of the building envelope, the whole of house or envelope has to be considered when requiring acoustic solutions.

Windows need to reduce the transmission of sound into the building and is measured in sound transmission class (STC) or weighted sound reduction index (Rw). The higher the number the more efficient the window or door. While STC is based typically on the frequencies of human speech, other noise sources such as vehicles like cars, trucks, motorcycles, trains and aircraft need to be measured in Rw.

Construction

Various designs can be accommodated with SoundMizer® to suit acoustic demands by regulators and the constraints that need to be considered by builders. Significant ratings can be achieved with careful planning and consultation with Trend Specialists in SoundMizer® Acoustic Solutions.

It is important to consider the entire envelope when building and not just the windows and doors as there may be other areas that will allow for noise to penetrate.

Glazing

Most applications will require various thicknesses of laminated glass rather than monolithic glass and can be in thicknesses upto 12.5mm.

Double glazing can be considered where energy efficiency is required or various combinations of glass types are used such as monolithic with laminates. Secondary glazing is for more extreme acoustic solutions where aircraft noise is significant and other forms of attenuation are not effective to reduce to the required internal comfort.

Acoustic Performance

SoundMizer® solutions are supplied to meet specific noise criteria and are tested to relevant Australian Standards.

These tests can be supplied to relevant industry professionals for reference.

It needs to be noted that air infiltration from other sources other than the windows and doors will affect the relevant outcome if construction is not carried out to eliminate such air infiltration.

contact trend® windows & doors

SYDNEY

HEAD OFFICE
44-52 Mandoon Road,
Girraween NSW 2145
Tel: (02) 9840 2000
Fax: (02) 9840 2100

3/384 Eastern Valley Way,
Chatswood 2067
Tel: (02) 9882 1155
Fax: (02) 9882 1566

WOLLONGONG

Tel: (02) 4256 1966
Fax: (02) 4256 3863

NOWRA

Unit 1A, 175 Princes Highway
South Nowra NSW 2541
Tel: (02) 4423 1500
Fax: (02) 4423 5100

NEWCASTLE

56-60 Munibung Road,
Cardiff NSW 2285
Tel: (02) 4956 7133
Fax: (02) 4956 9146

OURIMBAH

5 Catamaran Road,
Ourimbah NSW 2258
Tel: (02) 4389 1402
Fax: (02) 4389 8460

PORT MACQUARIE

2/11 Blackbutt Road,
Port Macquarie NSW 2444
Tel: (02) 6581 5100
Fax: (02) 6581 4056

TAMWORTH

7-11 Hume Street,
Tamworth NSW 2340
Tel: (02) 6765 4066
Fax: (02) 6765 2584

DUBBO

1/55 Douglas Mawson Drive,
Dubbo NSW 2830
Tel: (02) 6884 4055
Fax: (02) 6884 4057

ACT

74 Sheppard Street,
Hume ACT 2620
Tel: (02) 6260 1266
Fax: (02) 6260 1381

VICTORIA

92 Canterbury Road,
Bayswater North VIC 3153
Tel: (03) 9751 7000
Fax: (03) 9751 7010

36 Oliphant Way,
Seaford VIC 3198
Tel: (03) 9770 8888
Fax: (03) 9775 1811

72-74 Main Road,
Ballarat VIC 3350
Tel: (03) 5338 7837
Fax: (03) 5331 3335

TASMANIA

GP Glass
14 Kelcey Tier Road,
Spreyton TAS 7310
Tel: (03) 6427 3166
Fax: (03) 6427 3161

ADELAIDE

15-17 Indama Street,
Regency Park SA 5010
Tel: (08) 8347 0866
Fax: (08) 8347 0522

BRISBANE/ GOLD COAST

134 Lahrs Road,
Ormeau QLD 4208
Tel: (07) 5549 4100
Fax: (07) 5549 4111

SUNSHINE COAST

27-43 Skyreach Street,
Caboolture QLD 4510
Tel: (07) 5428 9200
Fax: (07) 5428 9222

Trend® National Customer Assistance Centre

13 72 74

(between 8:30am - 4:30pm EST, M-F) Product not available in WA

www.trendwindows.com.au

email: info@trendwindows.com.au



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