



Chevron Glass Pty Ltd
Karna Country
5 Brandwood Street, Royal Park SA 5014
PO Box 436, Melrose Park SA 5039
(08) 8447 6444
purchaseorders@chevronglass.com.au
www.chevronglass.com.au
A.B.N 84 008 038 177

CHEVRON GLASS SOUND REDUCTION COMPARISONS

Frequency	3mm Float	4mm Float	5mm Float	6mm Float	8mm Float	10mm Float	12mm Float	15mm Float
Rw	30	31	32	32	34	36	37	37

Frequency	6.38mm Lam	8.38mm Lam	10.38mm Lam	12.38mm Lam
Rw	33	34	36	37

Frequency	6.5mm Acoustic Lam	10.5mm Acoustic Lam	12.5mm Acoustic Lam	10.76mm Acoustic Custom Lam	12.76mm Acoustic Custom Lam
Rw	36	39	40	39	40

Frequency	4mm Float 12mm air 4mm Float	6mm Float 12mm air 6mm Float	6mm Float 12mm air 6.38mm Lam	10mm Float 12mm air 4mm Float	10mm Float 12mm air 6mm Float	10mm Float 12mm air 6.38mm Lam
Rw	31	33	34	36	38	40

Frequency	6.5mm Acoustic Lam 12mm air 6mm Float	10.5mm Acoustic Lam 16mm air 12.5mm Acoustic Lam	8mm Float 16mm air 10.5mm Acoustic Lam	10mm Float 16mm air 10.5mm Acoustic Lam	10mm Float 16mm air 12.5mm Acoustic Lam
Rw	38	47	43	44	45

Frequency	6mm Float 100mm air** 4mm Float	6mm Float 150mm air** 4mm Float	10mm Float 200mm air** 6mm Float
Rw	46	47	49

** Secondary Glazed System

ACCOUSTIC INDEX Rw – weighted reduction (dB).
Sound is measured in decibels (dB) which is a scale related to relative changes in loudness or sound pressure level. In order to give realistic indications of how people react to noise, and our ears' response being more sensitive to low frequency than high frequency, measurements are weighted to simulate that of our ears.

Rw – weighted reduction (dB) incorporates a correction for the ears' response.
It is derived from comparing the window sound insulation to frequency curve with a family of reference curves.

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