# CHEVRON GLASS SOUND REDUCTION COMPARISONS

| Frequency | 3mm Float | 4mm Float | 5mm Float | 6mm Float | 8mm Float | 10mm Float | 12mm Float | 15mm Float | 19mm Float |
|---|---|---|---|---|---|---|---|---|---|
| Rw | 30 | 31 | 32 | 32 | 34 | 36 | 37 | 37 | 40 |

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

| Frequency | 6.5mm Hush Lam | 10.5mm Hush Lam | 12.5mm Hush Lam |
|---|---|---|---|
| Rw | 36 | 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 Hush Lam 12mm air 6mm Float | 10.5mm Hush Lam 16mm air 12.5mm Hush Lam | 8mm Float 16mm air 10.5mm Hush Lam | 10mm Float 16mm air 10.5mm Hush Lam | 10mm Float 16mm air 12.5mm Hush 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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