



# Acoustic Calculation

## Glass Configuration

**16/11/2018**

**4mm Float Glass**

18mm Cavity

**6mm Float Glass**

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**Glass Weight: 25.0kg/m<sup>2</sup>**

**Unit Thickness: 28mm**

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The acoustic performance data within this document is determined by calculation, based on factors derived from certified data. Due to inherent variations in acoustic performance when testing in accordance with EN ISO 140-3 and/or ASTM E90, some variation in the calculated performance can also be expected. As such, the weighted performance,  $R_w$ , and adaptation terms,  $C$  and  $C_{tr}$ , should typically be considered to be accurate within  $\pm 2$  dB. However, wider deviations can occur.

## Sound Reduction Indices - dB

| Frequency - Hertz |     |     |      |      | $R_w$ | $C$ | $C_{tr}$ | OITC | STC |
|-------------------|-----|-----|------|------|-------|-----|----------|------|-----|
| 125               | 250 | 500 | 1000 | 2000 | 35    | -1  | -4       | 29   | 34  |
| 26                | 25  | 29  | 40   | 38   |       |     |          |      |     |

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