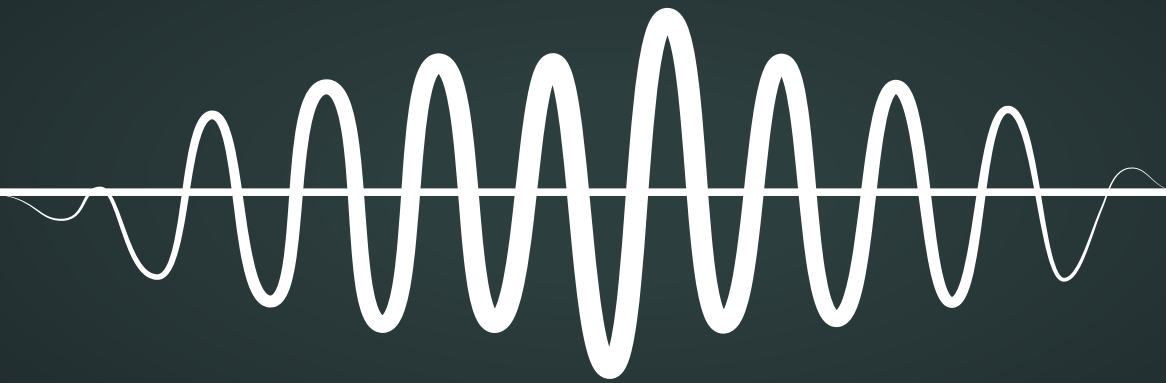




SOUND RATINGS EXPLAINED

CHOOSING THE RIGHT DOOR FOR ACOUSTIC COMFORT

NOV: 24

At Hume Doors & Timber, we understand the importance of acoustic performance in creating comfortable living and working spaces. That's why we have extensively sound-tested our comprehensive range of doors.

Testing methods:

- **Sound Transmission Class (STC):** Measured to ASTM E 413-87 standards, used primarily in the United States. It covers frequencies from 125 to 4000 Hz.
- **Weighted Sound Reduction Index (Rw):** Measured to ISO 717-1 standards, used outside the United States. It covers frequencies from 100 to 3150 Hz.

Both ratings measure how effectively materials, walls, or systems reduce sound transmission. To ensure optimal sound reduction, doors must be installed with seals of equivalent Rw/STC values and installed according to the seal manufacturer's recommendations. For detailed testing methods, refer to our **Sound Testing Methodology** download.

Understanding Rw and STC Ratings:

Each Rw and STC rating indicates the decibel reduction provided by a door, defining its ability to block sound.



Rw 31 / STC 31

Reduction: 31 decibels.

Performance: Soft speech cannot be heard or understood; normal speech can be heard but not understood.

Applicable Door Ranges:

Verve, Newington, Nexus, Regency Glazed, Vaucluse Premier Glazed, Carringbush, Glass Opening Solid XF8, Haven Glazed, BAL19 & BAL29 Glazed.



Rw 31 / STC 30

Reduction: 31 decibels.

Performance: Soft speech cannot be heard or understood; normal speech can be heard but not understood.

Applicable Door Range:

BAL40.



Rw 30 / STC 29

Reduction: 30 decibels.

Performance: Soft speech cannot be heard or understood; normal speech can be heard but not understood.

Applicable Door Ranges:

Linear Entrance, Vaucluse, Moulded Panel Smooth & Woodgrain Solid, STPC (40mm), SCX1 (40mm).



Rw 29 / STC 30

Reduction: 30 decibels.

Performance: Soft speech cannot be heard or understood; normal speech can be heard but not understood.

Applicable Door Ranges:

Savoy820, Savoy1200, Illusion, Joinery Entrance.



Rw 29 / STC 29

Reduction: 29 decibels.

Performance: Soft speech cannot be heard or understood; normal speech can be heard but not understood.

Applicable Door Ranges:

Humecraft, STPC (35mm), SCX1 (35mm), Accent Solid Core, Premium Accent Solid.



Rw 27/ STC 27

Reduction: 27 decibels.

Performance: Soft speech can be heard but not understood; normal speech can be heard quite easily and distinctly.

Applicable Door Ranges:

Sorrento, Linear Internal, Premium Accent Hollow Core, Flush Commercial (6mm Skin).



Rw 25/ STC 25

Reduction: 25 decibels.

Performance: Soft speech can be heard and understood; normal speech can be heard quite easily and distinctly.

Applicable Door Ranges:

Glass Opening Hollow Core, Accent Hollow Core, Strata, Flush Hollow Core (H1 & X1), Moulded Panel Hollow.

Choosing the Right Door:

By understanding these sound ratings, you can select the perfect door to suit your acoustic requirements, whether you are creating a peaceful home environment or minimising noise in a commercial setting.