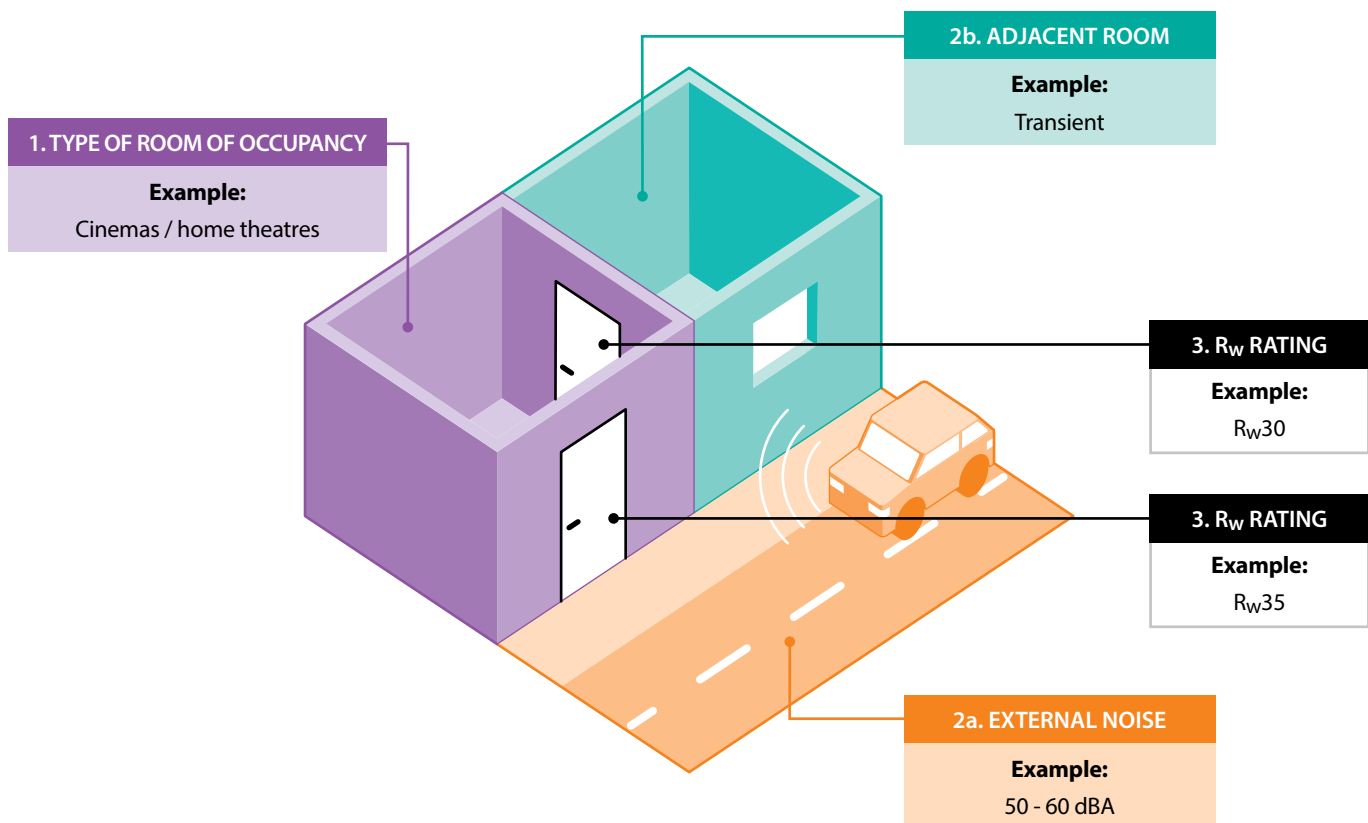


### Make the right selection

This selection guide is to aid architects, engineers and builders in making the right choice of door and Raven sealing system to suit the room. The selection of the  $R_w$  rating of the door sealing system is based on achieving the design sound level ( $L_{Aeq}$ ) in the room as recommended in AS/NZS 2107:2016.

1. Select the **TYPE OF ROOM OF OCCUPANCY** from the table opposite.
2. Find at the top of the table, the level of either:
  - a. **EXTERNAL NOISE, OR**
  - b. **ADJACENT ROOM**
3. Both of these criteria will then find the required  $R_w$  rating for the door sealing system.
4. Select a sealing system with the same or next highest  $R_w$  rating.



### Glossary

- $L_{Aeq}$**   $L_{Aeq}$  is the A-weighted equivalent continuous sound level in decibels measured over a stated period of time.
- dB** Decibels are a unit used to measure the intensity of a sound by comparing it with a given level on a logarithmic scale.
- dB(A)** A-weighted decibels are an expression of the relative loudness of sounds in air as perceived by the human ear.
- $R_w$**  The  $R_w$  is a single number quantity in decibels of an assembly's ability to resist airborne sound transfer at the frequencies of 100Hz to 3150Hz. The higher the  $R_w$  rating the more sound energy is stopped by the Raven sealed door set.