

| Area                               | Orientation<br>to road or rail<br>corridor | Package A   | Package B  | Package C  |
|------------------------------------|--|---|--|--|
|                                    |  | L <sub>Aeq</sub> ,Day up to 60dB<br>L <sub>Aeq</sub> ,Night up to 55dB  | L <sub>Aeq</sub> ,Day up to 63dB<br>L <sub>Aeq</sub> ,Night up to 58dB   | L <sub>Aeq</sub> ,Day up to 65dB<br>L <sub>Aeq</sub> ,Night up to 60dB   |
| Bedrooms                           | Facing                                     | Walls to R <sub>w</sub> +C <sub>tr</sub> 45dB  Windows and external door systems: Minimum R <sub>w</sub> +C <sub>tr</sub> 28dB (Table 6.4), total glazing area up to 40% of room floor area. [if R <sub>w</sub> +C <sub>tr</sub> 31dB: 60%] [if R <sub>w</sub> +C <sub>tr</sub> 34dB: 80%]  Roof and ceiling to R <sub>w</sub> +C <sub>tr</sub> 35dB (1 layer 10mm plasterboard)  Mechanical ventilation as per Section 6.3.1 | Walls to R <sub>w</sub> +C <sub>tr</sub> 50dB Windows and external door systems: Minimum R <sub>w</sub> +C <sub>tr</sub> 31dB (Table 6.4), total glazing area up to 40% of room floor area [if R <sub>w</sub> +C <sub>tr</sub> 34dB: 60%] Roof and ceiling to R <sub>w</sub> +C <sub>tr</sub> 35dB (1 layer 10mm plasterboard) Mechanical ventilation as per Section 6.3.1 | Walls to R <sub>w</sub> +C <sub>tr</sub> 50dB     Windows and external door systems:     Minimum R <sub>w</sub> +C <sub>tr</sub> 34dB (Table 6.4), total glazing area limited to 40% of room floor area [if 20% of floor area or less, R <sub>w</sub> +C <sub>tr</sub> 31dB]     Roof and ceiling to R <sub>w</sub> +C <sub>tr</sub> 40dB (2 layers 10mm plasterboard)     Mechanical ventilation as per Section 6.3.1 |
|                                    | Side-on                                    | •As above, except glazing Rw+Ctr values for each package may be 3dB less, or max % area increased by 20%  |  |  |
|                                    | Opposite                                   | <ul> <li>No requirements</li> <li>As per Package A 'Side On'</li> <li>As per Package A 'Facing'</li> </ul>  | <ul> <li>No requirements</li> <li>As per Package A 'Side On'</li> <li>As per Package A 'Facing'</li> </ul>   | <ul> <li>No requirements</li> <li>As per Package A 'Side On'</li> <li>As per Package A 'Facing'</li> </ul>   |
| Indoor living and<br>work<br>Areas | Facing                                     | Walls to Rw+Ctr 45dB     Windows and external door systems:     Minimum Rw+Ctr 25dB (Table 6.4),     total glazing area limited to 40% of     room floor area. [if Rw+Ctr 28dB: 60%]     [if Rw+Ctr 31dB: 80%]     External doors other than glass doors     to Rw+Ctr 26dB (Table 6.4)     Mechanical ventilation as per Section 6.3.1   | Walls to Rw+Ctr 50dB     Windows and external door systems: Minimum Rw+Ctr 28dB (Table 6.4), total glazing area up to 40% of room floor area. [if Rw+Ctr 31dB: 60%] [if Rw+Ctr 34dB: 80%]     External doors other than glass doors to Rw+Ctr 26dB (Table 6.4)     Mechanical ventilation as per Section 6.3.1   | Walls to R <sub>w</sub> +C <sub>tr</sub> 50dB  Windows and external door systems: Minimum R <sub>w</sub> +C <sub>tr</sub> 31dB (Table 6.4), total glazing area up to 40% of room floor area. [if R <sub>w</sub> +C <sub>tr</sub> 34dB: 60%]  External doors other than glass doors to R <sub>w</sub> +C <sub>tr</sub> 30dB (Table 6.4)  Mechanical ventilation as per Section 6.3.1                                    |
|                                    | Side-on                                    | • As above, except the glazing R <sub>w</sub> +C <sub>tr</sub> values for each package may be 3dB less, or max % area increased by 20%  |  |  |
|                                    | Opposite                                   | No requirements   | As per Package A 'Side On'   | As per Package A 'Facing'  |
| Other indoor areas                 | Any  | No requirements   | No requirements  | No requirements  |
| Outdoor living areas               | Any<br>(Section 6.2.3)                     | <ul> <li>As per Package C, and/or</li> <li>At least one ground level outdoor living<br/>area screened using a solid continuous<br/>fence or other structure of minimum</li> <li>metres height above ground level</li> </ul>   | <ul> <li>As per Package C, and/or</li> <li>At least one ground level outdoor living area screened using a solid continuous fence or other structure of minimum</li> <li>2.4 metres height above ground level</li> </ul>  | <ul> <li>At least one outdoor living area located<br/>on the opposite side of the building<br/>from the transport corridor</li> </ul>  |