

Residential units or ancillary residential units must not be located within the buffer area of the site being that area of the site where the freefield external noise level from traffic exceeds 64 dB  $L_{Aeq(24\text{ hour})}$  as determined by a noise assessment undertaken by a suitably qualified person.

Residential units or ancillary residential units within the effects area, being that area of the site where the freefield external noise level from traffic is between 55 dB  $L_{Aeq(24\text{ hour})}$  and 64 dB  $L_{Aeq(24\text{ hour})}$  as determined by a noise assessment undertaken by a suitably qualified person, shall be designed and constructed to ensure that internal noise levels in living and sleeping areas do not exceed 40 dB  $L_{Aeq(24\text{ hour})}$ . Guidance as to facade requirements is provided in Table 1 below.

Table 1: Facade Requirements.

| Dwelling location  | Façade requirements   |
|--|---|
| Within 40m of SH1 – Detailed assessment shows external noise level no greater than 64 dB $L_{Aeq(24\text{ hour})}$     | <p>Compliance with 2GP rule 9.3.1</p> <p>Maximum internal noise level of 40 dB <math>L_{Aeq(24\text{ hour})}</math> in Living and Sleeping areas</p> <p>Mechanical ventilation and cooling will be required</p> |
| More than 40m from SH1 – Detailed assessment shows external noise level between 55 and 64 dB $L_{Aeq(24\text{ hour})}$ | <p>Maximum internal noise level of 40 dB <math>L_{Aeq(24\text{ hour})}</math> in Living and Sleeping areas</p> <p>Mechanical ventilation and cooling will be required</p>                                       |
| More than 40m from SH1 – Detailed assessment shows external noise level less than 55 dB $L_{Aeq(24\text{ hour})}$      | <p>No façade controls</p> <p>No mechanical ventilation will be required</p>   |