



Ian Sharland LIMITED

Noise & Vibration Control Specialists

Ashfield House
Back Lane
Marlborough
Wiltshire SN8 1JJ
Telephone: (01672) 515761
Email: office@iansharland.co.uk

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THAKEHAM TILES, ROCK ROAD, STORRINGTON RESIDENTIAL REDEVELOPMENT OF THE SITE

Clarification on the Environmental Noise Assessment report, 30th September 2025

This document provides further information on the acoustic assessment prepared in September 2025, as queried by the Environmental Health department:

1. Survey Duration

The environmental noise survey was conducted over a 48 hour, mid week period, in suitable weather conditions. Such a duration is not untypical, when the primary noise source of interest is road traffic. The survey did not include a weekend period, but instead captured the higher traffic flows during a normal working week – not only due to the normal variation in traffic flows over a 7-day period, but also as the survey included additional traffic related to the Thakeham Tiles operation.

It is therefore concluded that a survey over the weekend would have yielded lower noise levels.

As such, the noise levels reported in the report and used for both the initial assessment of site suitability and then design mitigation, represent a worst case and a safe basis for the design.

2. Ongoing Operation of the Site during the survey

The site was operational during the survey, during the day time only (0700 – 1700).

At the Rock Road survey position, there is very little contribution of process noise from the site, the only effect being site-related traffic.

3. External Noise Levels close to Rock Road

The Noise Map shown overleaf indicate the values of $L_{Aeq, 16 \text{ hrs}}$ in the gardens between Rock Road. The detailed analysis confirms the vast majority of each garden will experience levels below 50 dB(A).

4. Day Time Internal Noise Levels

Reference is made here to the IoA/ANC Acoustics Ventilation & Overheating Residential Design Guide (Jan 2020). Section 3 discusses internal ambient noise level guidelines, and notes that it is considered reasonable to allow higher levels of noise than Table 4 of BS8233 when higher rates of ventilation are required in relation to the overheating condition. A relaxation of +5dB is considered to be appropriate where road traffic is the dominant noise source (as here). Therefore, it is proposed that the design limit for internal day time noise levels is 40 dB(A) when windows are open for such mitigation purposes.

It is also taken that the acoustic loss through a partially open window would be 13 dB(A) for road traffic noise. This would therefore equate to a facade noise limit of 53 dB(A).

The table below confirms the façade noise level on the road facing elevations for the plots closest to Rock Road. It can be seen that all predictions are below 53 dB(A) and, therefore, that the opening windows to counter overheating during the day will not jeopardize internal amenity.

Plot	Predicted Façade Noise Level, L _{Aeq, 16 hrs} dB(A)
99	49
100	47
101	45
102	47
103	48
104	46
105	47
106	46
107	40
108	49

Noise Map , Garden Areas Close to Rock Road (with proposed close-boarded timber fence in place) $L_{Aeq, 0700-2300}$

