

STC Rating Assessment - Noise measurement

Location: The Dower House Backhill; EH21 8QD; Carberry

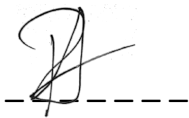
Date: 10/May 2023

Frequency(Hz)	Raw Noise (dB)	Single Glazed Pane (dB)	... With Gecko Pane (dB)
125	77.8	62.4	56.2
160	78.1	62.6	59.7
200	79.8	58.4	57.2
250	79.6	60.7	56.1
315	75.8	59.1	53.7
400	83.6	58.4	56.1
500	84	57.2	60
630	84.2	60	61.3
800	80.4	56.3	57.1
1000	84.8	54.8	53.2
1250	85.9	57.1	57.2
1600	83.7	57.3	54.4
2000	72.5	48.7	46.7
2500	73.1	51.3	47.8
3150	71.3	54.4	52.6
4000	67.8	57.4	49.4
AVERAGE	78.9	57.2	51.3

Calculations:

Raw Noise measurement - With Gecko Pane measurement = STC Rating

$78.9 - 51.3 = 27.6$ (STC)



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