

Kalvinder Sandher
19 Milton Road
Gravesend
DA12 2RF

26/07/2021
15082S
Version 1

19 Milton Road, Gravesend, DA12 2RF

Dear Mr Sandher,

Further to your survey sound insulation testing which was carried out by Chris Thomas at 19 Milton Road on Tuesday 20th July 2021, we are pleased to provide you with a summary of the test results.

The separating floor has been tested for airborne sound insulation and a comparison to Building Regulations Approved Document E 2003 has been made.

Results

Table 1 - Vertical (airborne) across separating floors

Test	Source Room	Volume	Receiver Room	Volume	$D_{nT,w}+C_{tr}$
15082S-1	Ground Floor, Takeaway, Reception Area	45.0m ³	1 st Floor, Dining Room	88.0m ³	41 dB
A 43dB or higher $D_{nT,w}+C_{tr}$ value is required to achieve a 'pass'					

North
23 Roscoe Street,
Liverpool,
L1 2SX

Tel: 0151 933 6186

Midlands
4a Swan Park Business Centre,
Kettlebrook Road
Tamworth,
B77 1AG

Tel: 01827 767 227

South
Rourke House
The Causeway
Staines
TW18 3BA

Tel: 0203 286 2019

South West
The Quadrant,
2440 Aztec West,
Bristol,
BS32 4AQ

Tel: 0117 230 7776

Conclusions

The test demonstrates that the separating floor has failed to achieve the airborne sound insulation requirements of Approved Document E 2003.

Please note; testing has been carried out for survey purposes and will **not** be accepted by Building Control as pre-completion testing.

Please find graphical test data attached

Kind Regards



Ben Bielicki BSc (Hons) MIOA
Acoustic Consultant

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BS EN ISO 140-4:1998 Standardised Level Difference

Field measurements of airborne sound insulation between rooms

Version No. 1

Client: Kalvinder Sandher

Date of test: 20/07/2021

Description and identification of the building construction and test arrangement, direction of measurement:

Source Room: Ground Floor, Takeaway, Reception Area

Volume: 45.0m³

Receiver room: 1st Floor, Dining Room

Volume: 88.0m³

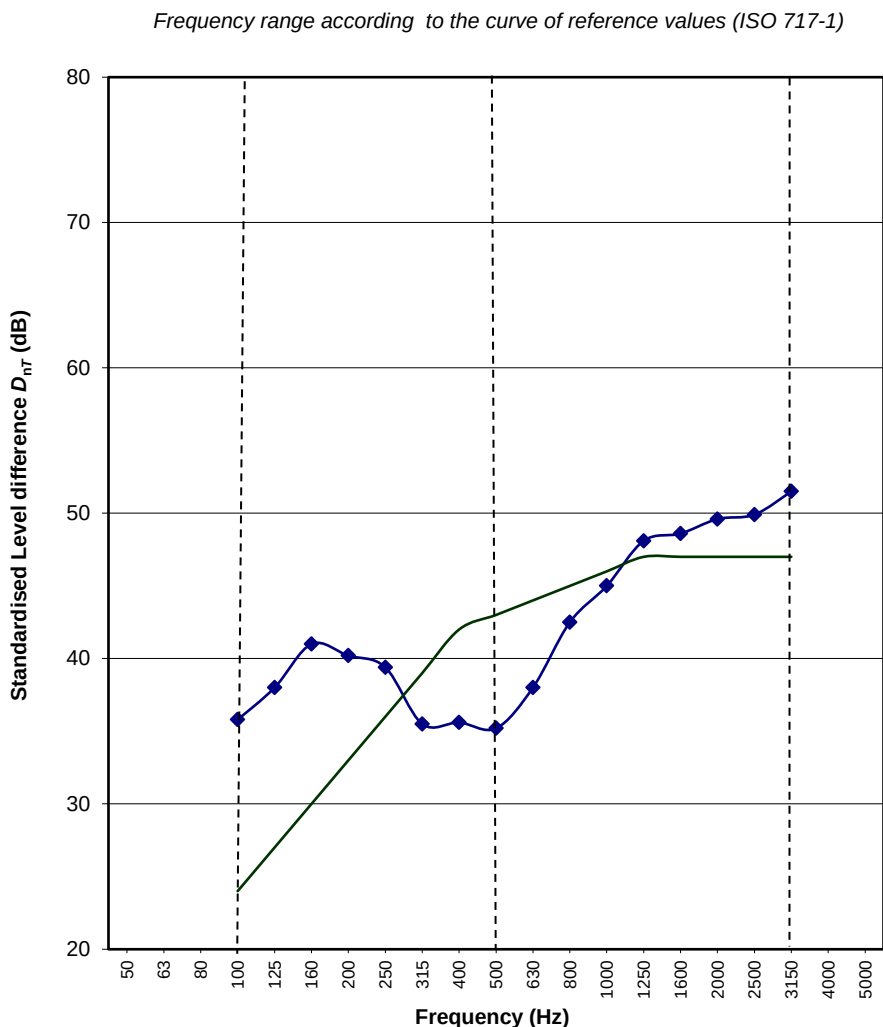
Direction of test: Vertical

Area of common partition: 19.0m²

Floor Construction: Details unknown

Frequency (Hz)	D_{nT} (1/3 oct) dB
50	N/A
63	N/A
80	N/A
100	≥35.8*
125	38.0
160	41.0
200	40.2
250	39.4
315	35.5
400	35.6
500	35.2
630	38.0
800	42.5
1000	45.0
1250	≥48.1*
1600	48.6
2000	49.6
2500	49.9
3150	51.5
4000	N/A
5000	N/A

* Value is at the limit of measurement due to the influence of background noise



Rating according to ISO 717-1

$$D_{nT,w}(C_{tr}) = 43 (-2) \text{ dB}$$

$$D_{nT,w} + C_{tr} = 41 \text{ dB}$$

Evaluation based on field measurement results obtained by an engineering method

Test report: 15082S-1

Name of test institute: Soundtesting.co.uk Ltd

Issue Date: 26/07/2021

Signature:

Engineer: C. Thomas AffiliateIOA

File Ref: 15082S

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