

Sound Insulation Testing Report

SITMA Job No: 6602

Job Ref (optional): Eve0003

Historical Site* (if ticked) ☐
* As defined in Approved Document E - 'Requirements'

Tested Site		Customer		Testing Organisation		Testing Accreditation	
Address	49 Bridge Street	Name	Mr Brian Steele	Name	Midland Air & Sound	SITMA Membership No.	9040
	Evesham Worcestershire England	Address	2 Prince Henry's Close Evesham Worcestershire	Address	Littlecroft Greenhill Park Road Evesham Worcestershire	UKAS No (if accredited)	
Postcode	WR114SG	Postcode	WR114NL	Postcode	WR11 4NL	Reporting Standard	Approved Document E (2003) including 2004, 2010, 2013, and 2015 Amendments

Testing Summary

Test No	Test Date Test Engineer	Building Type Building Purpose	Test Meter Type Serial Number	Source Room Receiver Room	Volume (m3) Volume (m3)	Test Result (dB)	Test Criteria* (dB)	Pass/Fail
16394	26/03/2019 William McLaughlin	Material Change of Use Dwelling-House/Flat	Norsonic NOR-140 1402872	Flat 2, 49 Bridge Street Living Room 1 Flat 1, 49 Bridge Street Living Room 1	30 32	47	64	PASS
16395	26/03/2019 William McLaughlin	Material Change of Use Dwelling-House/Flat	Norsonic NOR-140 1402872	Flat 1, 49 Bridge Street Living Room 1 Flat 2, 49 Bridge Street Living Room 1	32 30	62	43	PASS
16396	26/03/2019 William McLaughlin	Material Change of Use Dwelling-House/Flat	Norsonic NOR-140 1402872	Shop, 49 Bridge Street Commercial Space Flat 1, 49 Bridge Street Living Room 1	35.7 32	67	43	PASS

This report has been prepared in accordance with the requirements of the Reporting Standard (as stated). All tests were conducted on the Test Date indicated and are calculated from field measurements taken on that date. The testing method used and the sampling strategy adopted for these tests is set out in Reporting Standard. If any deviation from the testing method was necessary, details of the deviation are indicated on each individual test certificate (included in this report). Test results for each test are authorised by the Testing Engineer indicated, who has been approved to do so under the rules of the Testing Scheme. Each Test Engineer works within a Testing Organisation accredited to operate the Testing Scheme. The report has been prepared for, and is for the sole use of, the 'Customer' indicated above. It may not be relied upon by any third party except by a local authority for the intended purpose of demonstrating compliance with required building control standards. The report may not be presented other than in full electronic or printed form, without the written permission of the Testing Organisation. No responsibility is accepted to any third party and no liability is accepted outside the scope of this report.

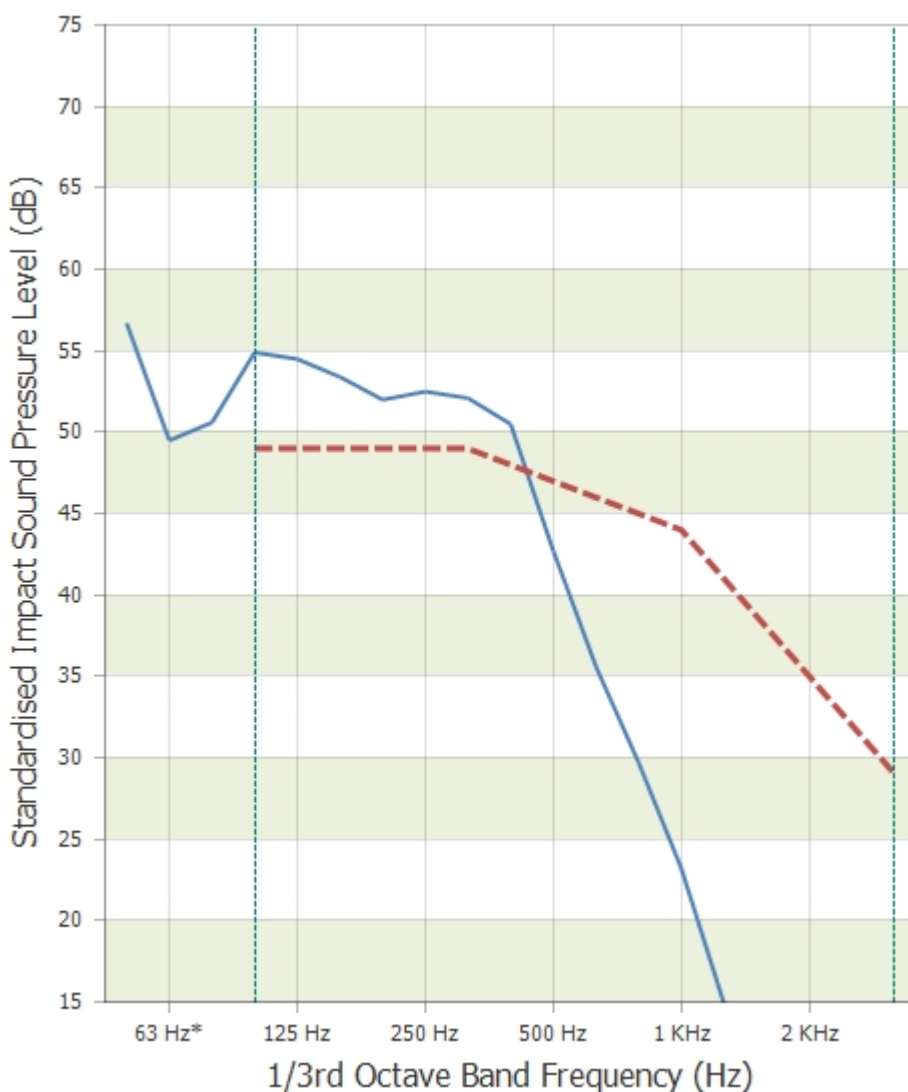
Registered Sound Insulation Test Certificate

Test No: 16394 **Test Job Ref:** 6602 **Testing Org. Name:** Midland Air & Sound **SITMA Membership No:** 9040

Customer Mr Brian Steele	Job Address 49 Bridge Street	Test Type Impact (Floor)
Address 2 Prince Henry's Clos	Evesham	Test Date 26/03/2019
Evesham	Worcestershire	Tester William McLaughlin
Worcestershire	England	Site Type Material Change of Use
Postcode WR114NL	Postcode WR114SG	Site Build Dwelling-House/Flat

Source Room:		Partition:	Receiver Room:
Description	Flat 2, 49 Bridge Street Living Room 1		Flat 1, 49 Bridge Street Living Roo
Volume / Area	30.0 m3	13.0 m2	32.0 m3

Frequency (Hz)	DnT 1/3 Octave (dB)	High BGnd
50 Hz*	56.7	
63 Hz*	49.5	
80 Hz*	50.6	
100 Hz	54.9	
125 Hz	54.5	
160 Hz	53.4	
200 Hz	52.0	
250 Hz	52.5	
315 Hz	52.1	
400 Hz	50.5	
500 Hz	42.7	
630 Hz	35.6	
800 Hz	29.7	
1 KHz	23.2	
1.25 KHz	14.9	X
1.6 KHz	13.2	X
2 KHz	10.3	X
2.5 KHz	8.0	X
3.15 KHz	8.6	X
4 KHz*	8.1	X
5 KHz*	4.9	X



Evaluation based on field measurement using results obtained by an engineering method

*Outside scope of accreditation

Above graph shows frequency range according to the curve of reference values within ISO 717-2

L'nT,w(CI) [dB]: 47 (0) dB
Maximum Pass Level [dB]: 64 dB

PASS

Adverse Aggregated Deviations [dB]: 27.9 dB

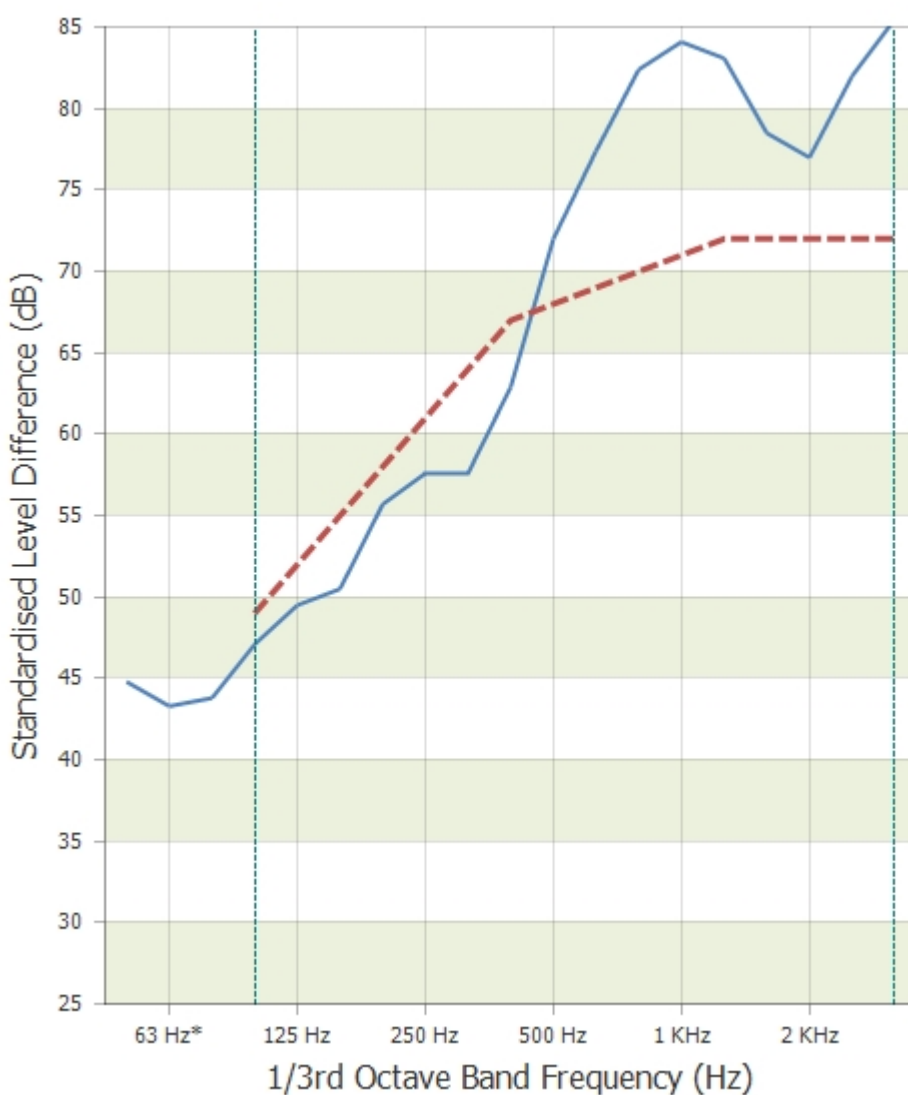
Registered Sound Insulation Test Certificate

Test No: 16395 **Test Job Ref:** 6602 **Testing Org. Name:** Midland Air & Sound **SITMA Membership No:** 9040

Customer Mr Brian Steele **Job Address** 49 Bridge Street
Address 2 Prince Henry's Clos
 Evesham
 Worcestershire
Postcode WR114NL
Postcode WR114SG
Test Type Airborne (Floor)
Test Date 26/03/2019
Tester William McLaughlin
Site Type Material Change of Use
Site Build Dwelling-House/Flat

Source Room:	Partition:	Receiver Room:
Description Flat 1, 49 Bridge Street Living Room 1		Flat 2, 49 Bridge Street Living Roo
Volume / Area 32.0 m3	13.0 m2	30.0 m3

Frequency (Hz)	DnT 1/3 Octave (dB)	High BGnd
50 Hz*	44.8	
63 Hz*	43.3	
80 Hz*	43.8	
100 Hz	47.1	
125 Hz	49.5	
160 Hz	50.5	
200 Hz	55.7	
250 Hz	57.6	
315 Hz	57.6	
400 Hz	62.9	
500 Hz	72.0	
630 Hz	77.4	
800 Hz	82.4	
1 KHz	84.1	
1.25 KHz	83.1	
1.6 KHz	78.5	
2 KHz	77.0	
2.5 KHz	82.0	
3.15 KHz	85.5	X
4 KHz*	86.9	X
5 KHz*	85.5	X



Evaluation based on field measurement using results obtained by an engineering method

*Outside scope of accreditation

Above graph shows frequency range according to the curve of reference values within ISO 717-1

DnT,w(C ; Ctr) [dB]: 68 (-1; -6) dB

DnT,w + Ctr [dB]: 62 dB

Minimum Pass Level [dB]: 43 dB

PASS

Adverse Aggregated Deviations [dB]: 25.1 dB

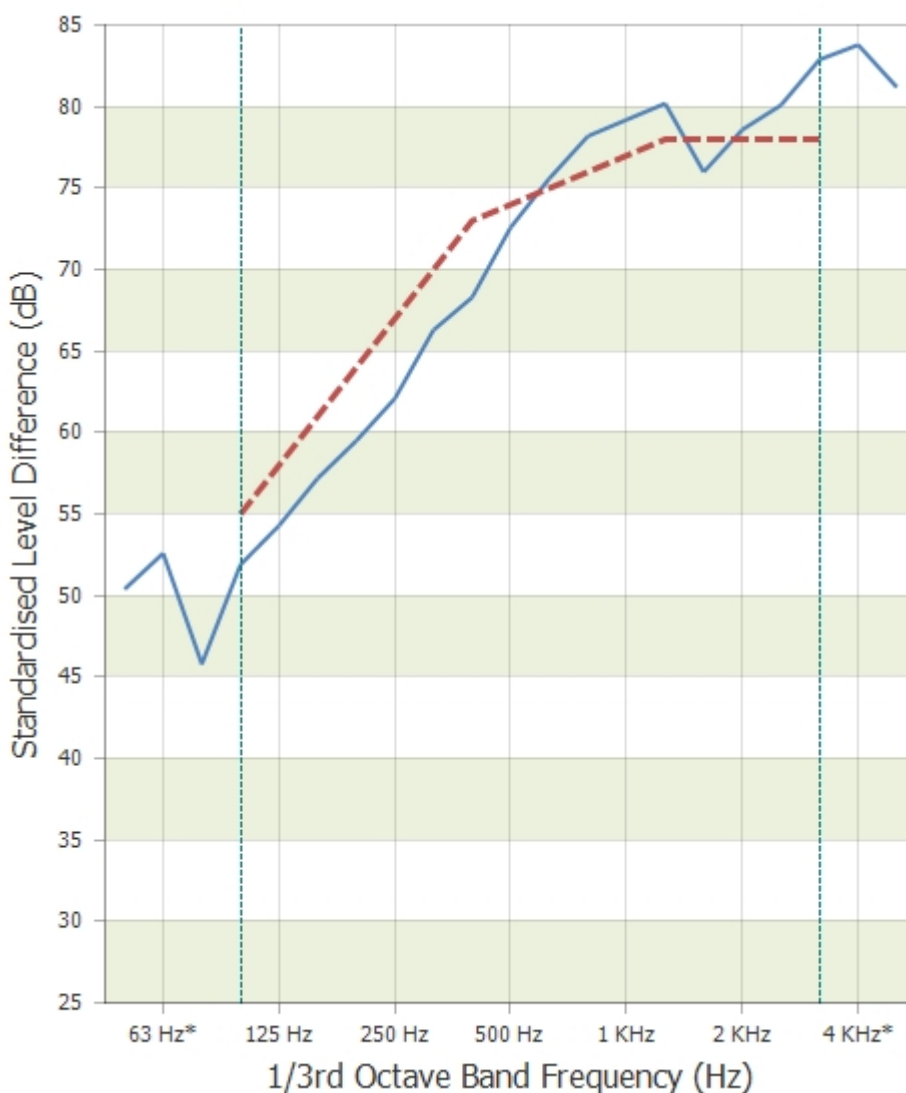
Registered Sound Insulation Test Certificate

Test No: 16396 **Test Job Ref:** 6602 **Testing Org. Name:** Midland Air & Sound **SITMA Membership No:** 9040

Customer Mr Brian Steele	Job Address 49 Bridge Street	Test Type Airborne (Floor)
Address 2 Prince Henry's Clos	Evesham	Test Date 26/03/2019
Evesham	Worcestershire	Tester William McLaughlin
Worcestershire	England	Site Type Material Change of Use
Postcode WR114NL	Postcode WR114SG	Site Build Dwelling-House/Flat

Source Room:	Partition:	Receiver Room:
Description Shop, 49 Bridge Street Commercial Space		Flat 1, 49 Bridge Street Living Room 1
Volume / Area 35.7 m3	12.0 m2	32.0 m3

Frequency (Hz)	DnT 1/3 Octave (dB)	High BGnd
50 Hz*	50.4	X
63 Hz*	52.6	X
80 Hz*	45.8	X
100 Hz	51.9	X
125 Hz	54.3	
160 Hz	57.2	
200 Hz	59.5	
250 Hz	62.1	
315 Hz	66.3	
400 Hz	68.3	
500 Hz	72.6	
630 Hz	75.6	
800 Hz	78.2	
1 KHz	79.2	X
1.25 KHz	80.2	X
1.6 KHz	76.0	
2 KHz	78.6	
2.5 KHz	80.1	X
3.15 KHz	82.9	X
4 KHz*	83.8	X
5 KHz*	81.2	X



Evaluation based on field measurement using results obtained by an engineering method

*Outside scope of accreditation

Above graph shows frequency range according to the curve of reference values within ISO 717-1

DnT,w(C ; Ctr) [dB]: 74 (-2; -7) dB

DnT,w + Ctr [dB]: 67 dB

Minimum Pass Level [dB]: 43 dB

PASS

Adverse Aggregated Deviations [dB]: 31.8 dB