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Field Measurement of Impact Sound Insulation of Floor

Location:Upper House, 520 Swanston St CarltonMeas Date:Friday, 28 March 2014Client:Aurora FlooringProject:640.10824Partition:Floor CeilingSystem Reference:1

Sending Room: Third floor, Apartment 306 Living Receiving Room: Second floor, Apartment 206

Living Room

Wall/Floor Construction:

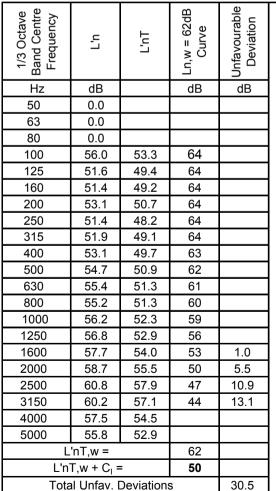
Room

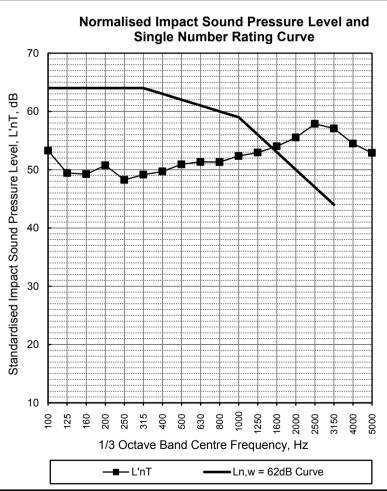
1	200 mm concrete	200 mm
2	150 mm airgap	150 mm
3	Acoustic insulation	0 mm
4	13 mm thick sus. plasterboard (standard hangers)	13 mm
5		mm
6		mm
Total Thickness:		363 mm

Comment: Receiving room reverberant with hard floors, walls, ceiling. No notable flanking paths.

Test method in general accordance with ISO 140-7

Calculation of single number ratings in accordance with ISO 717-2





Standardised, Weighted Impact Sound Level (ISO 717-2:1996): L'nT,w; (C sub I); (C sub I 50,2500) = 62;(-12;-13) dB Total Unfavourable Deviations = 30.5dB, Maximum Unfavourable Deviation = 13.1dB at 3.15kHz

Impact Insulation Class, IIC40

Sum of Excesses = 15dB, Maximum Excess = 8dB at 3.15kHz

Appendix A



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Field Measurement of Impact Sound Insulation of Floor

Location:Upper House, 520 Swanston St CarltonMeas Date:Friday, 28 March 2014Client:Aurora FlooringProject:640.10824Partition:Floor CeilingSystem Reference:2

Sending Room: Third floor, Apartment 306 Living Receiving Room: Second floor, Apartment 206

Room Living Room

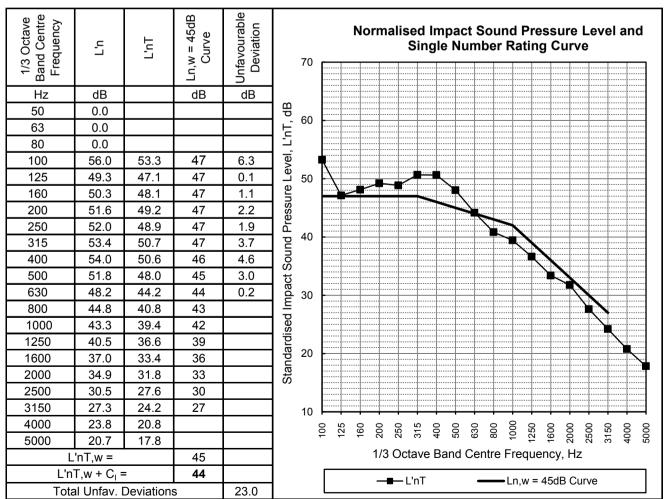
Wall/Floor Construction:

1	Timber flooring	14 mm
2	5 mm rubber underlay	5 mm
3	200 mm concrete	200 mm
4	150 mm airgap	150 mm
5	Acoustic insulation	0 mm
6	13 mm thick sus. plasterboard (standard hangers)	13 mm
Total Thickness:		382 mm

Comment: Receiving room reverberant with hard floors, walls, ceiling. No notable flanking paths

Test method in general accordance with ISO 140-7

Calculation of single number ratings in accordance with ISO 717-2



Standardised, Weighted Impact Sound Level (ISO 717-2:1996): L'nT,w; (C sub I); (C sub I 50,2500) = 45;(-1;-1) dB Total Unfavourable Deviations = 23.1dB, Maximum Unfavourable Deviation = 6.3dB at 100Hz

Impact Insulation Class, IIC63

Sum of Excesses = 31dB, Maximum Excess = 7dB at 100Hz





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Field Measurement of Impact Sound Insulation of Floor

Location:Upper House, 520 Swanston St CarltonMeas Date:Friday, 28 March 2014Client:Aurora FlooringProject:640.10824Partition:Floor CeilingSystem Reference:3

Sending Room: Third floor, Apartment 306 Living Receiving Room: Second floor, Apartment 206

Living Room

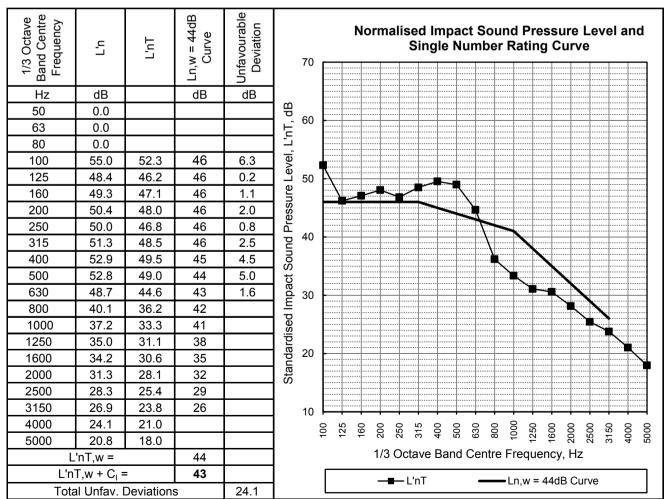
Wall/Floor Construction:

1	limber flooring	14 mm
2	2 mm Polyolefin underlay - Combilay	2 mm
3	200 mm concrete	200 mm
4	150 mm airgap	150 mm
5	Acoustic Insulation	0 mm
6	13 mm thick sus. plasterboard (standard hangers)	13 mm
Total Thickness:		379 mm

Comment: Receiving room reverberant with hard floors, walls, ceiling. No notable flanking paths

Test method in general accordance with ISO 140-7

Calculation of single number ratings in accordance with ISO 717-2



Standardised, Weighted Impact Sound Level (ISO 717-2:1996): L'nT,w; (C sub I); (C sub I 50,2500) = 44;(-1;-1) dB Total Unfavourable Deviations = 24dB, Maximum Unfavourable Deviation = 6.3dB at 100Hz

Impact Insulation Class, IIC64

Sum of Excesses = 32dB, Maximum Excess = 7dB at 100Hz





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Field Measurement of Impact Sound Insulation of Floor

Location:Upper House, 520 Swanston St CarltonMeas Date:Friday, 28 March 2014Client:Aurora FlooringProject:640.10824Partition:Floor CeilingSystem Reference:4

Sending Room: Third floor, Apartment 306 Living Receiving Room: Second floor, Apartment 206

Room Living Room

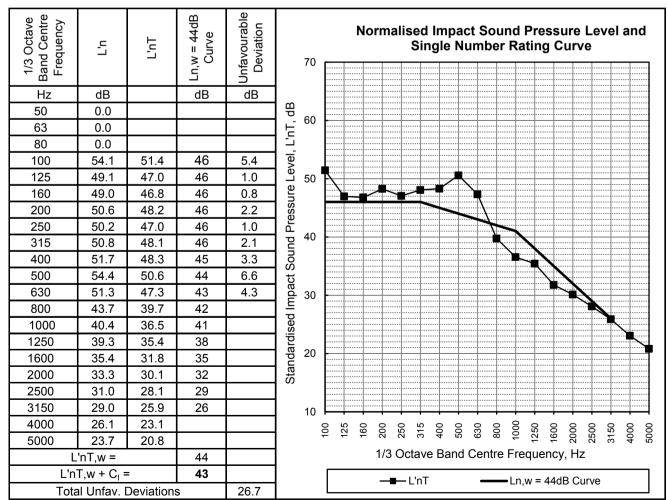
Wall/Floor Construction:

1	Timber flooring	14 mm
2	2 mm Polyolefin underlay - Quietstep Combilay	2 mm
3	200 mm concrete	200 mm
4	150 mm airgap	150 mm
5	Acoustic Insulation	0 mm
6	13 mm thick sus. plasterboard (standard hangers)	13 mm
Total Thickness:		379 mm

Comment: Receiving room reverberant with hard floors, walls, ceiling. No notable flanking paths

Test method in general accordance with ISO 140-7

Calculation of single number ratings in accordance with ISO 717-2



Standardised, Weighted Impact Sound Level (ISO 717-2:1996): L'nT,w; (C sub I); (C sub I 50,2500) = 44;(-1;-1) dB Total Unfavourable Deviations = 26.7dB, Maximum Unfavourable Deviation = 6.6dB at 500Hz

Impact Insulation Class, IIC63

Sum of Excesses = 26dB, Maximum Excess = 7dB at 500Hz