



Technical Summary

Part 1 : Dimensions

Width	136	mm
Length	1900 / 1820 / 1850 / 2100 (Specific length of board is dependent on the batch of timber available)	mm
Total Thickness	14.2	mm
Veneer Thickness	3.2 (Brushing effect may reduce total thickness in certain areas, making veneer between 2.0mm - 2.2mm)	mm
Boards Per Box	5	planks
Box Size	2.0128 or Other (Please confirm with batch in stock)	sqm

Part 2 : General Data

Origin of Timber Veneer	Australia
Janka Hardness	Spotted Gum: 11 (ATFA Classification: Very Hard) Blackbutt: 9.1 (ATFA Classification: Very Hard)
Structure	Australian Timber + Cross Bonded Ply Core (7 Layers)
Surface Lacquer	EverGuard™ Protection, developed with Teknos Treffert Parquet Lacquer, each board with 9 - 11 Coats, utilising 6 types of lacquer: ✦ UV PU Insulation Base Coat ✦ UV Transparent Sealer Base Coat ✦ UV Anti Scratch Sealer Base Coat ✦ UV Sealer Low Gloss Base Coat ✦ UV Super Matt Top Coat



Adhesive	Koyok International KOYOBOND®
Edging	Square Edge or Micro-Bevelled Edging
Finish	Light Brushed, Ultra-Matt
Installation Method	Floating Installation Strip Glue Installation Trowel Glue Installation
Slip Resistance (Wet)	P2 (Reported SRV 36) <i>Note: Result was P3, but classification was reduced to P2 because two results were less than the mean minus twenty percent.</i>
Box Weight	21kg (Approximate. Please confirm with the batch in stock.)
Installation Areas	Residential and Commercial

Part 3 : Installation

Floated on Underlay	Yes Suitable with all EverQuiet® Hard Floor Underlay . Please confirm suitability with other underlays with your installer or retailer. A plastic moisture barrier is required under all installations.
Trowel Glue	Yes (3 - 6mm V-notch trowel)
Strip Glue	Yes
Nailed	No
Underfloor Heating	Not Suitable Australian eucalyptus timbers are not recommended over underfloor heating, as they present a greater risk of surface “checking” with changes in temperature. If the customer proceeds to install over underfloor heating, we cannot provide a product warranty to the customer.



Part 4 : Timber Grading Specifications

Timber Grade	Standard
Moisture Content	9 - 11%
Colour Variation	Yes
Filled Defects	Yes
Sapwood	Yes
Heartwood	Yes
Pirth	None
Underfloor Heating	Yes, suitable with hydronic in-slab heating. Please refer to installation instructions.
Filler	Medium Black
Maximum Size of Knots	≈< 25mm Diameter
Gum Veins	Allowed
End Checks	Filled or Removed
Insect Damage	80% Removed, 20% Filled
Ingrown Bark	None

Part 5 : Warranty

General Residential (Structural)	25	Years
Light Commercial (Structural)	5	Years



Part 6: Fire Test

TEST REPORT

Client : Everfloor
2A 87 Allingham Street
Condell Park NSW 2200

Test Number : 23-005191
Issue Date : 16/01/2024
Print Date : 20/02/2024

d	Reaction to Fire Tests for Floorings. Determination of the Burning Behaviour using a Radiant Heat Source				
	Date of Sample Arrival		18-12-2023		
	Date Tested		16-01-2024		
	CHF Value	1	2	3	Mean
	Length	6.7	6.7	6.6	6.7 kW/m ²
	Width	6.9	-	-	- kW/m ²
	HF-30 Value	1	2	3	Mean
	Length	7.2	6.7	6.6	6.8 kW/m ²
	Width	7.6	-	-	- kW/m ²
	Smoke Value	1	2	3	Mean
	Length	33	90	30	51 %.min
	Width	6	-	-	- %.min

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Accredited for compliance with ISO/IEC 17025 - Testing
Accreditation Numbers: 983, 985, and 1356

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Fiona McDonald
APPROVED SIGNATORY

MICHAEL A. JACKSON B.Sc.(Hons)
MANAGING DIRECTOR

0204/11/06



Part 7 : Slip Test

TEST REPORT

Client : Everfloor
2A 87 Allingham Street
Condell Park NSW 2200

Test Number : 23-005193
Issue Date : 8/01/2024
Print Date : 6/03/2024

AS 4586-2013 Appendix A

Slip Resistance Classification of new Pedestrian Surface Materials Wet Pendulum Test Method

Date of Testing 22-12-2023
Operator AWTA Test Operator 14
Test Temperature (20±5degC) 23 °C

Washed with pH neutral detergent and then dried

Test Direction Length

Fixed/Unfixed Unfixed

Slider No 96 Batch No 23

Length	1	2	3	4	5	SRV
British Pendulum number	22	23	24	23	23	23

Classification P1

Equipment: Cooper Pendulum Skid Tester Serial No: 1433-01 Calibrated 11/10/2023
Slider prepared using P400 and 3µm lapping film.

These results apply only to the specimens tested and it is recommended that before selection of flooring or paving materials the effect of service conditions, including maintenance and wear on their slip resistance be checked.

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Page 2 of 2

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Fiona McDonald

APPROVED SIGNATORY



MICHAEL A. JACKSON B.Sc.(Hons)
MANAGING DIRECTOR

0204/11/06



Part 8: Acoustic Test (14mm Engineered + 2mm EVERQUIET IXPE Underlay)

System Tested	L'_{nTw}^3	FIIC ^{4,5}	AAAC ⁶
Bare Concrete Floor (ECFS only) - for comparison purposes only	55	49	3
14mm Engineered + 2mm Everquiet IXPE Underlay	42	67	5

FIELD MEASUREMENTS OF IMPACT SOUND INSULATION OF FLOORS

koikasacoustics PTY LTD
CONSULTANTS IN NOISE & VIBRATION

Date of Test : Tuesday, 29 March 2022
Project No. : 3523
Testing Company : Koikas Acoustics
Checked by : Nick Koikas
Place of Test : Residential apartments in Sydney, NSW
Client : Everfloor / EverQuiet
Client Address : -

Description of Floor System	Name	Thickness (mm)	Density (S)
14 mm engineered flooring	14	--	--
2 mm EverQuiet IXPE underlay	2	--	--
Concrete slab	180-200	--	--
Suspended ceiling	80-150	--	--

Room Width : 5 m
Floor Length : 8 m
Dimensions Area : 40.00 m²

Sample Width : 1 m
Dimensions Length : 1 m
Area : 1 m²

Receiver Rm	Location	Width	Length	Area	Height	Volume
5	en/Dining/Living directly l	5	8	40.00	2.7	108.00

Room Surfaces		
Walls	Floor	Ceiling
Plasterboard	Timber	Plasterboard

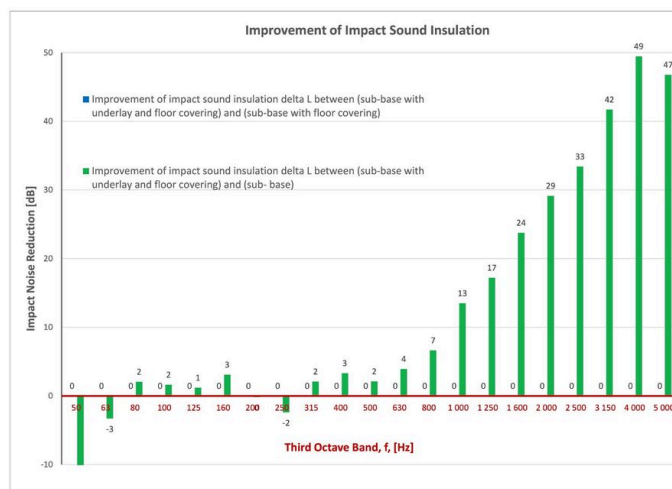
Frequency f Hz	L'nT (one-third octave) dB		
	Sub Base	Sub Base Floor	Sub Base Floor Underlay
50	38.5	N/A	48.6
63	45.4	N/A	48.8
80	50.4	N/A	48.4
100	50.9	N/A	49.2
125	53.9	N/A	52.7
160	55.3	N/A	52.2
200	46.7	N/A	46.9
250	45.5	N/A	47.9
315	45.7	N/A	43.6
400	46.6	N/A	43.3
500	43.4	N/A	41.3
630	41.9	N/A	38.0
800	43.3	N/A	36.6
1 000	44.3	N/A	30.8
1 250	44.2	N/A	27.0
1 600	45.6	N/A	21.8
2 000	47.9	N/A	18.7
2 500	49.9	N/A	16.5
3 150	50.7	N/A	9.0
4 000	47.6	N/A	-1.9
5 000	44.9	N/A	-1.8



Sub Base		
L'nT,w	55	AS ISO 717.2 - 2004
CI	-9	AS ISO 717.2 - 2004
CI(50-2500)	-9	AS ISO 717.2 - 2004
CI(63-2000)	-9	AS ISO 717.2 - 2004
AAAC★	3 Star	AAAC Guideline
FIIC	49	ASTM E1007-14

Sub Base & Floor		
L'nT,w	N/A	AS ISO 717.2 - 2004
CI	N/A	AS ISO 717.2 - 2004
CI(50-2500)	N/A	AS ISO 717.2 - 2004
CI(63-2000)	N/A	AS ISO 717.2 - 2004
AAAC★	N/A	AAAC Guideline
FIIC	N/A	ASTM E1007-14

Sub Base, Floor & Underlay		
L'nT,w	42	AS ISO 717.2 - 2004
CI	1	AS ISO 717.2 - 2004
CI(50-2500)	2	AS ISO 717.2 - 2004
CI(63-2000)	2	AS ISO 717.2 - 2004
AAAC★	5 Star	AAAC Guideline
FIIC	67	ASTM E1007-14



Definitions of Noise Metrics

FIIC:

Field Impact Insulation Class is a single-number rating of how well a floor system attenuates impact type sounds, such as footsteps. Calculated from third-octave band normalised impact sound pressure level data and referenced to 10 m² as described in ASTM E989. The higher the single-number rating, the better its impact insulation performance.

L'nT,w:

The Weighted Standardised Impact Sound Pressure Level when measured in situ referenced to a reverberation time (RT60) of 0.5 seconds. Used by the AAAC to determine their respective Star Rating.

CI:

Spectrum adaption term is a low frequency correction factor. Typically for massive floors such as concrete, the values are about zero while for timber joist floors CI is positive because of the low resonant frequencies. Considers frequency range between 100 -and 2500 Hz.

CI(50-2500):

Same as above, but for the frequency range 50 -2500 Hz.

CI(125-2000):

Same as above, but for the frequency range 125 -2000 Hz.

AAAC Star R.	2	3	4	5	6
L'nT,w	65	55	50	45	40
FIIC	45	55	60	65	70
Comments	Below BCA 62	Clearly Audible	Audible	Barely Inaudible	Normally Inaudible

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Part 8: Acoustic Test (14mm Engineered + 3mm EVERQUIET IXPE Underlay)

System Tested	L'_{nTw} ³	FIIC ^{4,5}	AAAC ⁶
Bare Concrete Floor (ECFS only) - for comparison purposes only	55	49	3
14mm Engineered + 3mm Everquiet IXPE Underlay	43	63	5

FIELD MEASUREMENTS OF IMPACT SOUND INSULATION OF FLOORS

koikasacoustics PTY LTD
CONSULTANTS IN NOISE & VIBRATION

Date of Test : Tuesday, 29 March 2022
Project No. : 3523
Testing Company : Koikas Acoustics
Checked by : Nick Koikas
Place of Test : Residential apartments in Sydney, NSW
Client : Everfloor / EverQuiet
Client Address : -

	Name	Thickness (mm)	Density (S)
Description of Floor System	14 mm engineered flooring 3 mm EverQuiet IXPE underlay Concrete slab Suspended ceiling	14 3 180-200 80-150	-- -- -- --

Room Dimensions
Width : 5 m
Length : 8 m
Area : 40.00 m²

Sample Dimensions
Width : 1 m
Length : 1 m
Area : 1 m²

Receiver Rm	Location	Width	Length	Area	Height	Volume
an/Dining/Living directly l		5	8	40.00	2.7	108.00

Room Surfaces		
Walls	Floor	Ceiling
Plasterboard	Timber	Plasterboard

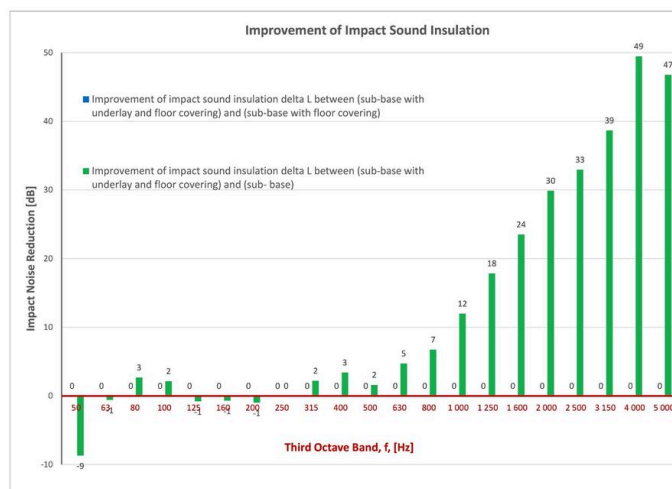
Frequency f Hz	L'nT (one-third octave) dB		
	Sub Base	Sub Base Floor	Sub Base Floor Underlay
50	38.5	N/A	47.2
63	45.4	N/A	46.0
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100	50.9	N/A	48.7
125	53.9	N/A	54.7
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800	43.3	N/A	36.5
1 000	44.3	N/A	32.3
1 250	44.2	N/A	26.3
1 600	45.6	N/A	22.1
2 000	47.9	N/A	18.0
2 500	49.9	N/A	17.0
3 150	50.7	N/A	12.0
4 000	47.6	N/A	-1.9
5 000	44.9	N/A	-1.8



Sub Base		
L'nT,w	55	AS ISO 717.2 - 2004
CI	-9	AS ISO 717.2 - 2004
CI(50-2500)	-9	AS ISO 717.2 - 2004
CI(63-2000)	-9	AS ISO 717.2 - 2004
AAAC★	3 Star	AAAC Guideline
FIIC	49	ASTM E1007-14

Sub Base & Floor		
L'nT,w	N/A	AS ISO 717.2 - 2004
CI	N/A	AS ISO 717.2 - 2004
CI(50-2500)	N/A	AS ISO 717.2 - 2004
CI(63-2000)	N/A	AS ISO 717.2 - 2004
AAAC★	N/A	AAAC Guideline
FIIC	N/A	ASTM E1007-14

Sub Base, Floor & Underlay		
L'nT,w	43	AS ISO 717.2 - 2004
CI	2	AS ISO 717.2 - 2004
CI(50-2500)	2	AS ISO 717.2 - 2004
CI(63-2000)	2	AS ISO 717.2 - 2004
AAAC★	5 Star	AAAC Guideline
FIIC	63	ASTM E1007-14



Definitions of Noise Metrics

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Same as above, but for the frequency range 50 -2500 Hz.

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Same as above, but for the frequency range 125 -2000 Hz.

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L'nT,w	65	55	50	45	40
FIIC	45	55	60	65	70
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Part 8: Acoustic Test (14mm Engineered + EQ312 3mm Rubber Underlay)

System Tested	L'_{nTw} ³	FIIC ^{4,5}	AAAC ⁶
Bare Concrete Floor (ECFS only) - for comparison purposes only	55	49	3
14mm Engineered +EQ312 3mm Rubber Underlay	43	63	5

FIELD MEASUREMENTS OF IMPACT SOUND INSULATION OF FLOORS

Date of Test : Tuesday, 29 March 2022
Project No. : 3523
Testing Company : Koikas Acoustics
Checked by : Nick Koikas
Place of Test : Residential apartments in Sydney, NSW
Client : Everfloor / EverQuiet
Client Address : -

Description of Floor System	Name	Thickness (mm)	Density (S)
14 mm engineered flooring	14	--	--
3 mm EverQuiet Rubber EQ312 underlay	3	--	--
Concrete slab	180-200	--	--
Suspended ceiling	80-150	--	--

Room Dimensions	Width : 5 m
Floor Length : 8 m	
Area : 40.00 m ²	

Sample Dimensions	Width : 1 m
Floor Length : 1 m	
Area : 1 m ²	

Receiver Rm	Location	Width	Length	Area	Height	Volume
5	en/Dining/Living directly l	5	8	40.00	2.7	108.00

Room Surfaces	Walls	Floor	Ceiling
Plasterboard	Plasterboard	Timber	Plasterboard

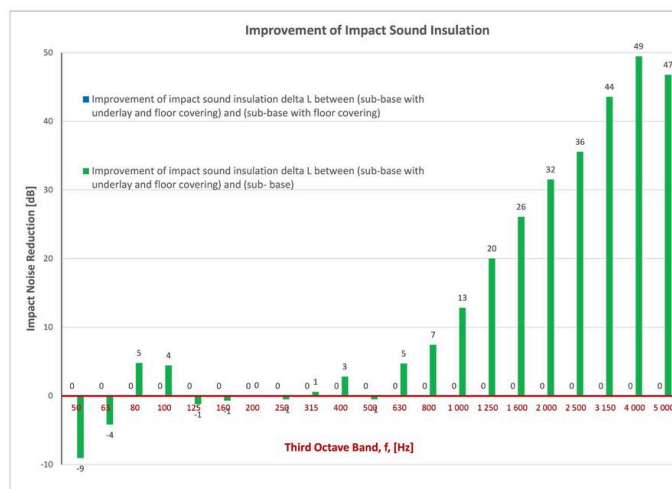
Frequency f Hz	Sub Base	Sub Base Floor	Sub Base Floor Underlay
50	38.5	N/A	47.5
63	45.4	N/A	49.6
80	50.4	N/A	45.7
100	50.9	N/A	46.4
125	53.9	N/A	55.1
160	55.3	N/A	56.0
200	46.7	N/A	46.6
250	45.5	N/A	46.0
315	45.7	N/A	45.1
400	46.6	N/A	43.8
500	43.4	N/A	43.9
630	41.9	N/A	37.2
800	43.3	N/A	35.8
1000	44.3	N/A	31.5
1250	44.2	N/A	24.2
1600	45.6	N/A	19.5
2000	47.9	N/A	16.3
2500	49.9	N/A	14.4
3150	50.7	N/A	7.1
4000	47.6	N/A	-1.9
5000	44.9	N/A	-1.8



Sub Base	L'nT,w	CI	CI(50-2500)	CI(63-2000)	AAAC	FIIC
55	-9	-9	-9	-9	3 Star	49
AS ISO 717.2 - 2004					AAAC Guideline	ASTM E1007-14

Sub Base & Floor	L'nT,w	CI	CI(50-2500)	CI(63-2000)	AAAC	FIIC
N/A	N/A	N/A	N/A	N/A	AAAC	N/A
AS ISO 717.2 - 2004					AAAC Guideline	ASTM E1007-14

Sub Base, Floor & Underlay	L'nT,w	CI	CI(50-2500)	CI(63-2000)	AAAC	FIIC
43	2	3	2	2	5 Star	63
AS ISO 717.2 - 2004					AAAC Guideline	ASTM E1007-14



Definitions of Noise Metrics

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CI(50-2500):

Same as above, but for the frequency range 50 -2500 Hz.

CI(125-2000):

Same as above, but for the frequency range 125 -2000 Hz.

AAAC Star R.	2	3	4	5	6
L'nT,w	65	55	50	45	40
FIIC	45	55	60	65	70
Comments	Below BCA 62	Clearly Audible	Audible	Barely Inaudible	Normally Inaudible

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Part 8: Acoustic Test (14mm Engineered + EQ512 5mm Rubber Underlay)

System Tested	L'_{nTw} ³	FIIC ^{4,5}	AAAC ⁶
Bare Concrete Floor (ECFS only) - for comparison purposes only	55	49	3
14mm Engineered +EQ512 5mm Rubber Underlay	44	62	5

FIELD MEASUREMENTS OF IMPACT SOUND INSULATION OF FLOORS

koikasacoustics PTY LTD
CONSULTANTS IN NOISE & VIBRATION

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Checked by : Nick Koikas
Place of Test : Residential apartments in Sydney, NSW
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Client Address : -

	Name	Thickness (mm)	Density (S)
Description of Floor System	14 mm engineered flooring	14	--
	5 mm EverQuiet Rubber EQ512 underlay	5	--
	Concrete slab	180-200	--
	Suspended ceiling	80-150	--

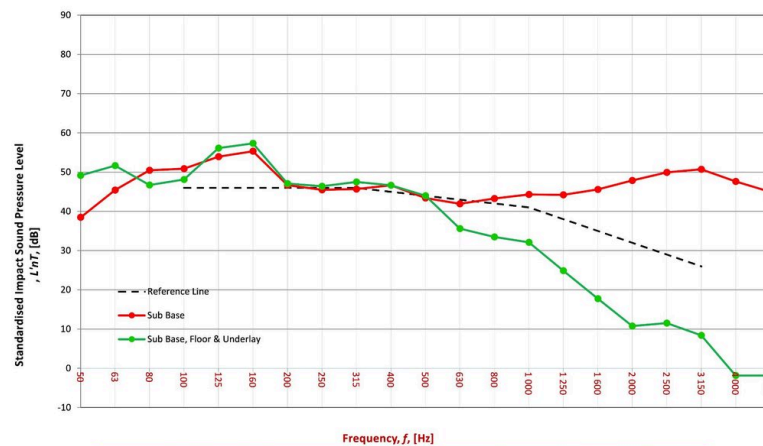
Room Dimensions
Width : 5 m
Length : 8 m
Area : 40.00 m²

Sample Dimensions
Width : 1 m
Length : 1 m
Area : 1 m²

Receiver Rm	Location	Width	Length	Area	Height	Volume
an/Dining/Living directly l		5	8	40.00	2.7	108.00

Room Surfaces		
Walls	Floor	Ceiling
Plasterboard	Timber	Plasterboard

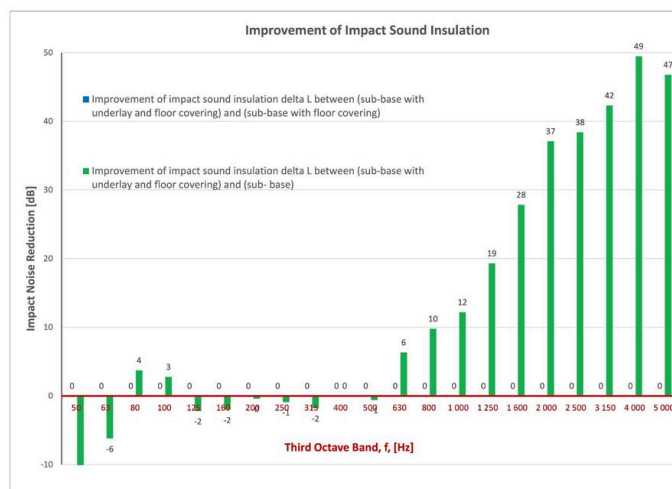
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4000	47.6	N/A	-1.9
5000	44.9	N/A	-1.8



Sub Base		
L'nT,w	55	AS ISO 717.2 - 2004
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CI(63-2000)	-9	AS ISO 717.2 - 2004
AAAC★	3 Star	AAAC Guideline
FIIC	49	ASTM E1007-14

Sub Base & Floor		
L'nT,w	N/A	AS ISO 717.2 - 2004
CI	N/A	AS ISO 717.2 - 2004
CI(50-2500)	N/A	AS ISO 717.2 - 2004
CI(63-2000)	N/A	AS ISO 717.2 - 2004
AAAC★	N/A	AAAC Guideline
FIIC	N/A	ASTM E1007-14

Sub Base, Floor & Underlay		
L'nT,w	44	AS ISO 717.2 - 2004
CI	2	AS ISO 717.2 - 2004
CI(50-2500)	3	AS ISO 717.2 - 2004
CI(63-2000)	3	AS ISO 717.2 - 2004
AAAC★	5 Star	AAAC Guideline
FIIC	62	ASTM E1007-14



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FIIC	45	55	60	65	70
Comments	Below BCA 62	Clearly Audible	Audible	Barely Inaudible	Normally Inaudible

Acoustic test results provided are only indicative of acoustic performance and are site specific, so outcomes may vary from building to building. Everfloor provides this information for guidance and indicative purposes only and does not guarantee any specific acoustic outcome. Indicative testing has been completed by acoustic engineers according to AS/NZS ISO 140.7:2006 and the rating has been determined as per AS ISO 717.2:2004.

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Part 8: Acoustic Test (14mm Engineered + EQ515 5mm Rubber Underlay)

System Tested	L'_{nTw} ³	FIIC ^{4,5}	AAAC ⁶
Bare Concrete Floor (ECFS only) - for comparison purposes only	55	49	3
14mm Engineered + EQ515 5mm Rubber Underlay	43	63	5

FIELD MEASUREMENTS OF IMPACT SOUND INSULATION OF FLOORS

koikasacoustics PTY LTD
CONSULTANTS IN NOISE & VIBRATION

Date of Test : Tuesday, 29 March 2022
Project No. : 3523
Testing Company : Koikas Acoustics
Checked by : Nick Koikas
Place of Test : Residential apartments in Sydney, NSW
Client : Everfloor / EverQuiet
Client Address : -

Description of Floor System	Name	Thickness (mm)	Density (S)
14 mm engineered flooring	14	--	--
5 mm EverQuiet Rubber EQ515 underlay	5	--	--
Concrete slab	180-200	--	--
Suspended ceiling	80-150	--	--

Room Width : 5 m
Floor Length : 8 m
Dimensions Area : 40.00 m²

Sample Width : 1 m
Dimensions Length : 1 m
Area : 1 m²

Receiver Rm	Location	Width	Length	Area	Height	Volume	Room Surfaces		
							Walls	Floor	Ceiling
an/Dining/Living directly l		5	8	40.00	2.7	108.00	Plasterboard	Timber	Plasterboard

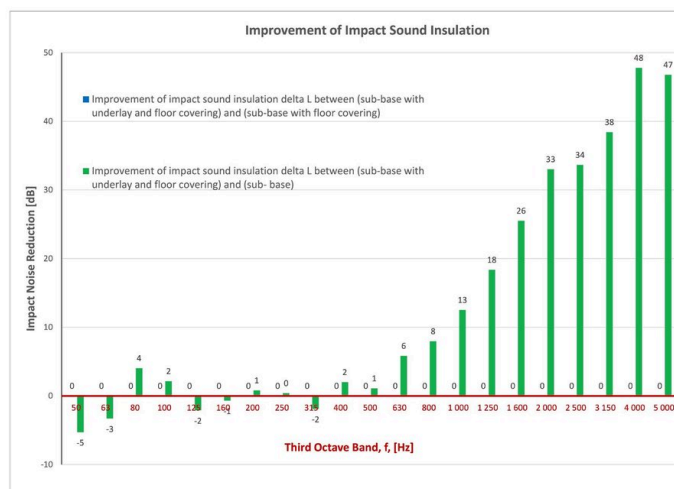
Frequency f Hz	L'nT (one-third octave) dB		
	Sub Base	Sub Base Floor	Sub Base Floor Underlay
50	38.5	N/A	43.8
63	45.4	N/A	48.8
80	50.4	N/A	46.4
100	50.9	N/A	48.7
125	53.9	N/A	56.0
160	55.3	N/A	56.0
200	46.7	N/A	45.9
250	45.5	N/A	45.1
315	45.7	N/A	47.6
400	46.6	N/A	44.6
500	43.4	N/A	42.3
630	41.9	N/A	36.1
800	43.3	N/A	35.3
1 000	44.3	N/A	31.8
1 250	44.2	N/A	25.8
1 600	45.6	N/A	20.1
2 000	47.9	N/A	14.8
2 500	49.9	N/A	16.3
3 150	50.7	N/A	12.3
4 000	47.6	N/A	-0.2
5 000	44.9	N/A	-1.8



Sub Base	
L'nT,w	55
CI	-9
CI(50-2500)	-9
CI(63-2000)	-9
AAAC★	3 Star
FIIC	49

Sub Base & Floor	
L'nT,w	N/A
CI	N/A
CI(50-2500)	N/A
CI(63-2000)	N/A
AAAC★	5 Star
FIIC	N/A

Sub Base, Floor & Underlay	
L'nT,w	43
CI	2
CI(50-2500)	3
CI(63-2000)	3
AAAC★	5 Star
FIIC	63



Definitions of Noise Metrics

FIIC:

Field Impact Insulation Class is a single-number rating of how well a floor system attenuates impact type sounds, such as footsteps. Calculated from third-octave band normalised impact sound pressure level data and referenced to 10 m² as described in ASTM E989. The higher the single-number rating, the better its impact insulation performance.

L'nT,w:

The Weighted Standardised Impact Sound Pressure Level when measured in situ referenced to a reverberation time (RT60) of 0.5 seconds. Used by the AAAC to determine their respective Star Rating.

CI:

Spectrum adaption term is a low frequency correction factor. Typically for massive floors such as concrete, the values are about zero while for timber joist floors CI is positive because of the low resonant frequencies. Considers frequency range between 100 -and 2500 Hz.

CI(50-2500):

Same as above, but for the frequency range 50 -2500 Hz.

CI(125-2000):

Same as above, but for the frequency range 125 -2000 Hz.

AAAC Star R.	2	3	4	5	6
L'nT,w	65	55	50	45	40
FIIC	45	55	60	65	70
Comments	Below BCA 62	Clearly Audible	Audible	Barely Inaudible	Normally Inaudible

Acoustic test results provided are only indicative of acoustic performance and are site specific, so outcomes may vary from building to building. Everfloor provides this information for guidance and indicative purposes only and does not guarantee any specific acoustic outcome. Indicative testing has been completed by acoustic engineers according to AS/NZS ISO 140.7:2006 and the rating has been determined as per AS ISO 717.2:2004.

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Part 8: Acoustic Test (14mm Engineered + EQ1012 10mm Rubber Underlay)

System Tested	L'_{nTw} ³	FIIC ^{4,5}	AAAC ⁶
Bare Concrete Floor (ECFS only) - for comparison purposes only	55	49	3
14mm Engineered + EQ1012 10mm Rubber Underlay	44	63	5

FIELD MEASUREMENTS OF IMPACT SOUND INSULATION OF FLOORS

Date of Test : Tuesday, 29 March 2022
Project No. : 3523
Testing Company : Koikas Acoustics
Checked by : Nick Koikas
Place of Test : Residential apartments in Sydney, NSW
Client : Everfloor / EverQuiet
Client Address : -

	Name	Thickness (mm)	Density (S)
Description of	14 mm engineered flooring	14	--
Floor	10 mm EverQuiet Rubber EQ1012 underlay	10	--
System	Concrete slab	180-200	--
	Suspended ceiling	80-150	--

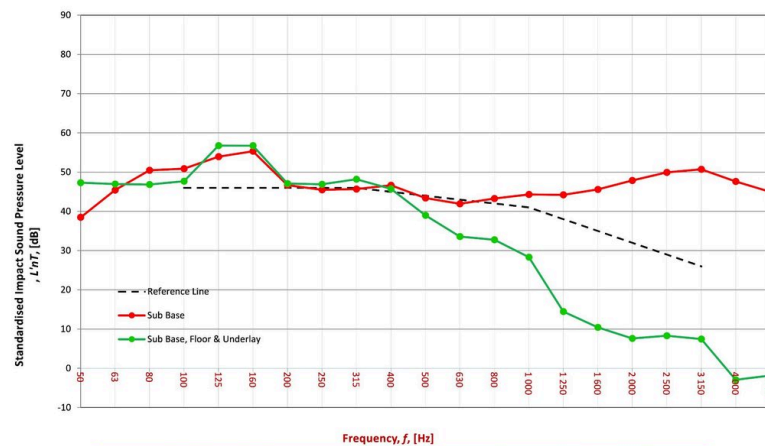
Room	Width :	5	m
Floor	Length :	8	m
Dimensions	Area :	40.00	m ²

Sample	Width :	1	m
Dimensions	Length :	1	m
	Area :	1	m ²

Receiver Rm	Location	Width	Length	Area	Height	Volume
5	en/Dining/Living directly l	5	8	40.00	2.7	108.00

Room Surfaces		
Walls	Floor	Ceiling
Plasterboard	Timber	Plasterboard

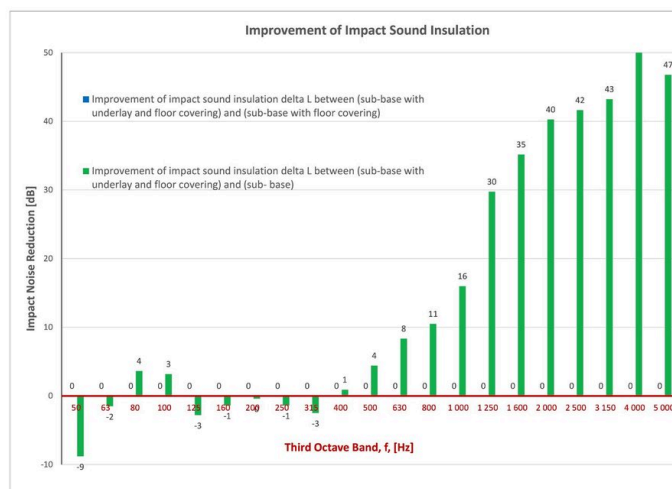
Frequency f Hz	L'nT (one-third octave) dB		
	Sub Base	Sub Base Floor	Sub Base Floor Underlay
50	38.5	N/A	47.3
63	45.4	N/A	47.0
80	50.4	N/A	46.8
100	50.9	N/A	47.7
125	53.9	N/A	56.7
160	55.3	N/A	56.7
200	46.7	N/A	47.1
250	45.5	N/A	46.9
315	45.7	N/A	48.2
400	46.6	N/A	45.7
500	43.4	N/A	39.0
630	41.9	N/A	33.6
800	43.3	N/A	32.8
1000	44.3	N/A	28.3
1250	44.2	N/A	14.4
1600	45.6	N/A	10.4
2000	47.9	N/A	7.6
2500	49.9	N/A	8.3
3150	50.7	N/A	7.5
4000	47.6	N/A	-2.9
5000	44.9	N/A	-1.8



Sub Base		
L'nT,w	55	AS ISO 717.2 - 2004
CI	-9	AS ISO 717.2 - 2004
CI(50-2500)	-9	AS ISO 717.2 - 2004
CI(63-2000)	-9	AS ISO 717.2 - 2004
AAAC★	3 Star	AAAC Guideline
FIIC	49	ASTM E1007-14

Sub Base & Floor		
L'nT,w	N/A	AS ISO 717.2 - 2004
CI	N/A	AS ISO 717.2 - 2004
CI(50-2500)	N/A	AS ISO 717.2 - 2004
CI(63-2000)	N/A	AS ISO 717.2 - 2004
AAAC★	N/A	AAAC Guideline
FIIC	N/A	ASTM E1007-14

Sub Base, Floor & Underlay		
L'nT,w	44	AS ISO 717.2 - 2004
CI	2	AS ISO 717.2 - 2004
CI(50-2500)	2	AS ISO 717.2 - 2004
CI(63-2000)	2	AS ISO 717.2 - 2004
AAAC★	5 Star	AAAC Guideline
FIIC	63	ASTM E1007-14



Definitions of Noise Metrics

FIIC:

Field Impact Insulation Class is a single-number rating of how well a floor system attenuates impact type sounds, such as footsteps. Calculated from third-octave band normalised impact sound pressure level data and referenced to 10 m² as described in ASTM E989. The higher the single-number rating, the better its impact insulation performance.

L'nT,w:

The Weighted Standardised Impact Sound Pressure Level when measured in situ referenced to a reverberation time (RT60) of 0.5 seconds. Used by the AAAC to determine their respective Star Rating.

CI:

Spectrum adaption term is a low frequency correction factor. Typically for massive floors such as concrete, the values are about zero while for timber joist floors CI is positive because of the low resonant frequencies. Considers frequency range between 100- and 2500 Hz.

CI(50-2500):

Same as above, but for the frequency range 50 -2500 Hz.

CI(125-2000):

Same as above, but for the frequency range 125 -2000 Hz.

AAAC Star R.	2	3	4	5	6
L'nT,w	65	55	50	45	40
FIIC	45	55	60	65	70
Comments	Below BCA 62	Clearly Audible	Audible	Barely Inaudible	Normally Inaudible

Acoustic test results provided are only indicative of acoustic performance and are site specific, so outcomes may vary from building to building. Everfloor provides this information for guidance and indicative purposes only and does not guarantee any specific acoustic outcome. Indicative testing has been completed by acoustic engineers according to AS/NZS ISO 140.7:2006 and the rating has been determined as per AS ISO 717.2:2004.

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Part 8: Acoustic Test (14mm Engineered + EQW512 5mm Rubber Wavy Underlay)

System Tested	L'_{nTw}^3	FIIC ^{4,5}	AAAC ⁶
Bare Concrete Floor (ECFS only) - for comparison purposes only	55	49	3
14mm Engineered + EQW512 5mm Rubber Wavy Underlay	42	64	5

FIELD MEASUREMENTS OF IMPACT SOUND INSULATION OF FLOORS

Date of Test : Tuesday, 29 March 2022
Project No. : 3523
Testing Company : Koikas Acoustics
Checked by : Nick Koikas
Place of Test : Residential apartments in Sydney, NSW
Client : Everfloor / EverQuiet
Client Address : -

	Name	Thickness (mm)	Density (S)
Description of	14 mm engineered flooring	14	--
Floor	5 mm EverQuiet Rubber Wavy EQW512 underlay	5	--
System	Concrete slab	180-200	--
	Suspended ceiling	80-150	--

Room Width : 5 m
Floor Length : 8 m
Dimensions Area : 40.00 m²

Sample Width : 1 m
Dimensions Length : 1 m
Area : 1 m²

Receiver Rm	Location	Width	Length	Area	Height	Volume
an/Dining/Living directly l		5	8	40.00	2.7	108.00

Room Surfaces		
Walls	Floor	Ceiling
Plasterboard	Timber	Plasterboard

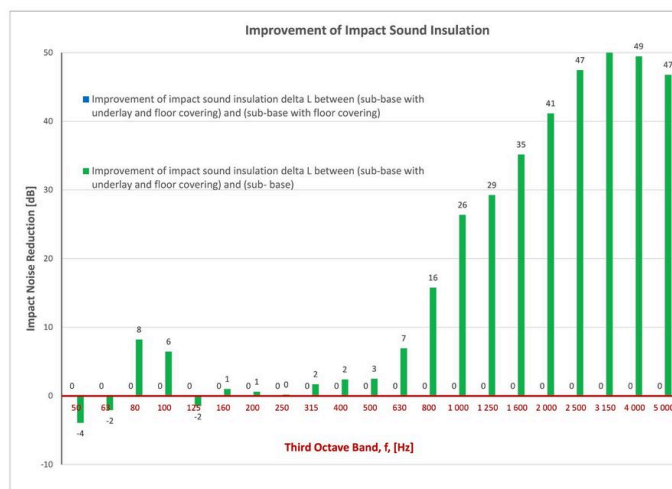
Frequency f Hz	L'nT (one-third octave) dB		
	Sub Base	Sub Base Floor	Sub Base Floor Underlay
50	38.5	N/A	42.4
63	45.4	N/A	47.5
80	50.4	N/A	42.2
100	50.9	N/A	44.4
125	53.9	N/A	55.4
160	55.3	N/A	54.3
200	46.7	N/A	46.1
250	45.5	N/A	45.3
315	45.7	N/A	44.0
400	46.6	N/A	44.2
500	43.4	N/A	40.9
630	41.9	N/A	35.0
800	43.3	N/A	27.5
1 000	44.3	N/A	17.9
1 250	44.2	N/A	15.0
1 600	45.6	N/A	10.4
2 000	47.9	N/A	6.7
2 500	49.9	N/A	2.5
3 150	50.7	N/A	-0.4
4 000	47.6	N/A	-1.9
5 000	44.9	N/A	-1.8



Sub Base		
L'nT,w	55	AS ISO 717.2 - 2004
CI	-9	AS ISO 717.2 - 2004
CI(50-2500)	-9	AS ISO 717.2 - 2004
CI(63-2000)	-9	AS ISO 717.2 - 2004
AAAC★	3 Star	AAAC Guideline
FIIC	49	ASTM E1007-14

Sub Base & Floor		
L'nT,w	N/A	AS ISO 717.2 - 2004
CI	N/A	AS ISO 717.2 - 2004
CI(50-2500)	N/A	AS ISO 717.2 - 2004
CI(63-2000)	N/A	AS ISO 717.2 - 2004
AAAC★	N/A	AAAC Guideline
FIIC	N/A	ASTM E1007-14

Sub Base, Floor & Underlay		
L'nT,w	42	AS ISO 717.2 - 2004
CI	2	AS ISO 717.2 - 2004
CI(50-2500)	2	AS ISO 717.2 - 2004
CI(63-2000)	2	AS ISO 717.2 - 2004
AAAC★	5 Star	AAAC Guideline
FIIC	64	ASTM E1007-14



Definitions of Noise Metrics

FIIC:

Field Impact Insulation Class is a single-number rating of how well a floor system attenuates impact type sounds, such as footsteps. Calculated from third-octave band normalised impact sound pressure level data and referenced to 10 m² as described in ASTM E989. The higher the single-number rating, the better its impact insulation performance.

L'nT,w:

The Weighted Standardised Impact Sound Pressure Level when measured in situ referenced to a reverberation time (RT60) of 0.5 seconds. Used by the AAAC to determine their respective Star Rating.

CI:

Spectrum adaption term is a low frequency correction factor. Typically for massive floors such as concrete, the values are about zero while for timber joist floors CI is positive because of the low resonant frequencies. Considers frequency range between 100- and 2500 Hz.

CI(50-2500):

Same as above, but for the frequency range 50 -2500 Hz.

CI(125-2000):

Same as above, but for the frequency range 125 -2000 Hz.

AAAC Star R.	2	3	4	5	6
L'nT,w	65	55	50	45	40
FIIC	45	55	60	65	70
Comments	Below BCA 62	Clearly Audible	Audible	Barely Inaudible	Normally Inaudible

Acoustic test results provided are only indicative of acoustic performance and are site specific, so outcomes may vary from building to building. Everfloor provides this information for guidance and indicative purposes only and does not guarantee any specific acoustic outcome. Indicative testing has been completed by acoustic engineers according to AS/NZS ISO 140.7:2006 and the rating has been determined as per AS ISO 717.2:2004.

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Part 8: Acoustic Test (14mm Engineered + EQW512 5mm Rubber Wavy Underlay + 2mm EVERQUIET IXPE Underlay)

System Tested	L'_{nTw} ³	FIC ^{4,5}	AAAC ⁶
Bare Concrete Floor (ECFS only) - for comparison purposes only	55	49	3
14mm Engineered + EQW512 5mm Rubber Wavy Underlay + 2mm EVERQUIET IXPE	43	63	5

FIELD MEASUREMENTS OF IMPACT SOUND INSULATION OF FLOORS

koikasacoustics CITY LTD
CONSULTANTS IN NOISE & VIBRATION

Date of Test : Tuesday, 29 March 2022
Project No. : 3523
Testing Company : Koikas Acoustics
Checked by : Nick Koikas
Place of Test : Residential apartments in Sydney, NSW
Client : Everfloor / EverQuiet
Client Address : -

Description of Floor System	Name	Thickness (mm)	Density (SI)
14 mm engineered flooring		14	--
5 mm EverQuiet Rubber Wavy EQW512 + 2 mm EverQuiet IXPE		7	--
Concrete slab		180-200	--
Suspended ceiling		80-150	--

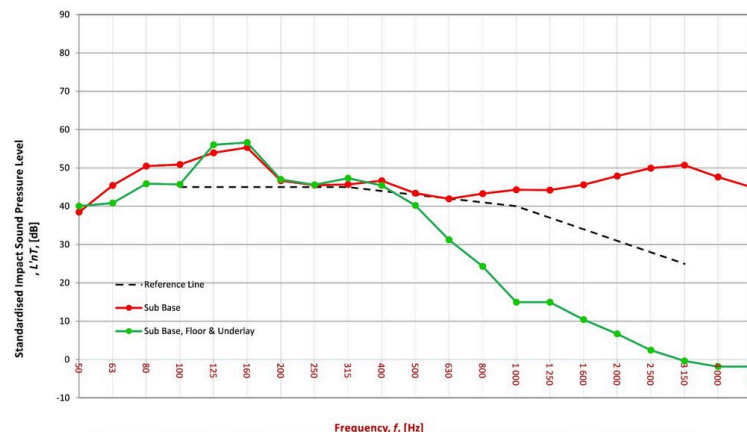
Room Dimensions	Width : 5 m Length : 8 m Area : 40.00 m ²
-----------------	--

Sample Dimensions	Width : 1 m Length : 1 m Area : 1 m ²
-------------------	--

Receiver Rm	Location	Width	Length	Area	Height	Volume
an/Dining/Living directly t		5	8	40.00	2.7	108.00

Room Surfaces	Walls	Floor	Ceiling
Plasterboard	Plasterboard	Timber	Plasterboard

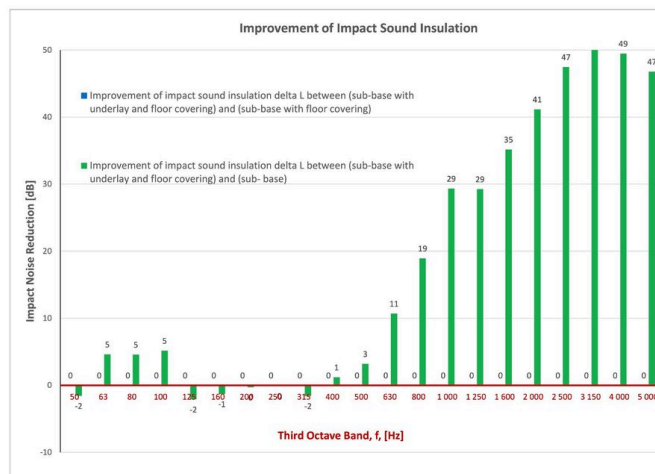
Frequency f Hz	L'nT (one-third octave) dB		
	Sub Base	Sub Base Floor	Sub Base Floor Underlay
50	38.5	N/A	40.1
63	45.4	N/A	40.8
80	50.4	N/A	45.9
100	50.9	N/A	45.7
125	53.9	N/A	56.0
160	55.3	N/A	56.6
200	46.7	N/A	47.0
250	45.5	N/A	45.6
315	45.7	N/A	47.3
400	46.6	N/A	45.4
500	43.4	N/A	40.2
630	41.9	N/A	31.2
800	43.3	N/A	24.3
1 000	44.3	N/A	14.9
1 250	44.2	N/A	15.0
1 600	45.6	N/A	10.4
2 000	47.9	N/A	6.7
2 500	49.9	N/A	2.5
3 150	50.7	N/A	-0.4
4 000	47.6	N/A	-1.9
5 000	44.9	N/A	-1.8



Sub Base		
L'nT,w	55	AS ISO 717.2 - 2004
Ci	-9	AS ISO 717.2 - 2004
Ci(50-2500)	-9	AS ISO 717.2 - 2004
Ci(63-2000)	-9	AS ISO 717.2 - 2004
AAAC★	3 Star	AAAC Guideline
FIC	49	ASTM E1007-14

Sub Base & Floor		
L'nT,w	N/A	AS ISO 717.2 - 2004
Ci	N/A	AS ISO 717.2 - 2004
Ci(50-2500)	N/A	AS ISO 717.2 - 2004
Ci(63-2000)	N/A	AS ISO 717.2 - 2004
AAAC★	N/A	AAAC Guideline
FIC	N/A	ASTM E1007-14

Sub Base, Floor & Underlay		
L'nT,w	43	AS ISO 717.2 - 2004
Ci	2	AS ISO 717.2 - 2004
Ci(50-2500)	3	AS ISO 717.2 - 2004
Ci(63-2000)	3	AS ISO 717.2 - 2004
AAAC★	5 Star	AAAC Guideline
FIC	63	ASTM E1007-14



Definitions of Noise Metrics

FIC:

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L'nT,w:

The Weighted Standardised Impact Sound Pressure Level when measured in situ referenced to a reverberation time (RT60) of 0.5 seconds. Used by the AAAC to determine their respective Star Rating.

Ci:

Spectrum adaption term is a low frequency correction factor. Typically for massive floors such as concrete, the values are about zero while for timber joist floors Ci is positive because of the low resonant frequencies. Considers frequency range between 100 - and 2500 Hz.

Ci(50-2500):

Same as above, but for the frequency range 50 - 2500 Hz.

Ci(125-2000):

Same as above, but for the frequency range 125 - 2000 Hz.

AAAC Star R.	2	3	4	5	6
L'nT,w	65	55	50	45	40
FIC	45	55	60	65	70
Comments	Below BCA 62	Clearly Audible	Audible	Barely Inaudible	Normally Inaudible

Acoustic test results provided are only indicative of acoustic performance and are site specific, so outcomes may vary from building to building. Everfloor provides this information for guidance and indicative purposes only and does not guarantee any specific acoustic outcome. Indicative testing has been completed by acoustic engineers according to AS/NZS ISO 140.7:2006 and the rating has been determined as per AS ISO 717.2:2004.

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Part 8: Acoustic Test (14mm Engineered + EQW1012 10mm Rubber Wavy Underlay)

System Tested	L'_{nTw} ³	FIIC ^{4,5}	AAAC ⁶
Bare Concrete Floor (ECFS only) - for comparison purposes only	55	49	3
14mm Engineered + EQW1012 10mm Rubber Wavy Underlay	43	63	5

FIELD MEASUREMENTS OF IMPACT SOUND INSULATION OF FLOORS

Date of Test : Tuesday, 29 March 2022
Project No. : 3523
Testing Company : Koikas Acoustics
Checked by : Nick Koikas
Place of Test : Residential apartments in Sydney, NSW
Client : Everfloor / EverQuiet
Client Address : -

	Name	Thickness (mm)	Density (S)
Description of Floor System	14 mm engineered flooring	14	--
	10 mm EverQuiet Rubber Wavy EQW1012 underlay	10	--
	Concrete slab	180-200	--
	Suspended ceiling	80-150	--

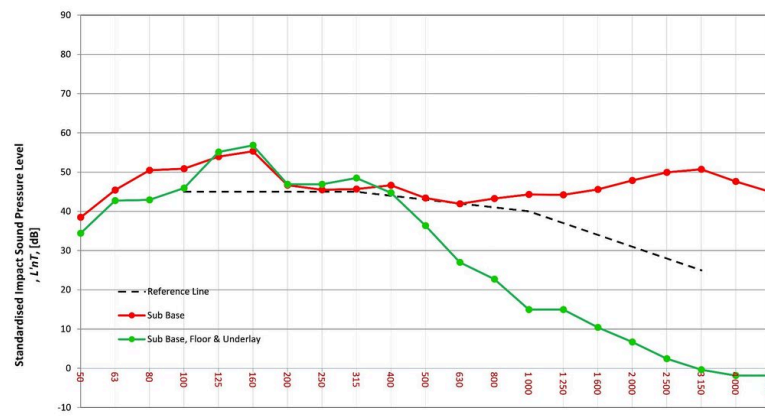
Room Dimensions	Width : 5 m
	Length : 8 m
	Area : 40.00 m ²

Sample Dimensions	Width : 1 m
	Length : 1 m
	Area : 1 m ²

Receiver Rm	Location	Width	Length	Area	Height	Volume
5	en/Dining/Living directly l	5	8	40.00	2.7	108.00

Room Surfaces		
Walls	Floor	Ceiling
Plasterboard	Timber	Plasterboard

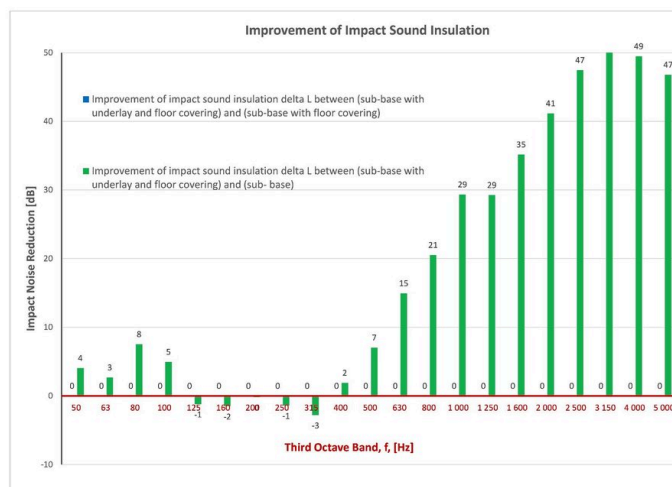
Frequency f Hz	L'nT (one-third octave) dB		
	Sub Base	Sub Base Floor	Sub Base Floor Underlay
50	38.5	N/A	34.4
63	45.4	N/A	42.7
80	50.4	N/A	42.9
100	50.9	N/A	45.9
125	53.9	N/A	55.1
160	55.3	N/A	56.8
200	46.7	N/A	46.9
250	45.5	N/A	46.9
315	45.7	N/A	48.5
400	46.6	N/A	44.7
500	43.4	N/A	36.4
630	41.9	N/A	27.0
800	43.3	N/A	22.7
1000	44.3	N/A	14.9
1250	44.2	N/A	15.0
1600	45.6	N/A	10.4
2000	47.9	N/A	6.7
2500	49.9	N/A	2.5
3150	50.7	N/A	-0.4
4000	47.6	N/A	-1.9
5000	44.9	N/A	-1.8



Sub Base		
L'nT,w	55	AS ISO 717.2 - 2004
CI	-9	AS ISO 717.2 - 2004
CI(50-2500)	-9	AS ISO 717.2 - 2004
CI(63-2000)	-9	AS ISO 717.2 - 2004
AAAC★	3 Star	AAAC Guideline
FIIC	49	ASTM E1007-14

Sub Base & Floor		
L'nT,w	N/A	AS ISO 717.2 - 2004
CI	N/A	AS ISO 717.2 - 2004
CI(50-2500)	N/A	AS ISO 717.2 - 2004
CI(63-2000)	N/A	AS ISO 717.2 - 2004
AAAC★	N/A	AAAC Guideline
FIIC	N/A	ASTM E1007-14

Sub Base, Floor & Underlay		
L'nT,w	43	AS ISO 717.2 - 2004
CI	2	AS ISO 717.2 - 2004
CI(50-2500)	2	AS ISO 717.2 - 2004
CI(63-2000)	2	AS ISO 717.2 - 2004
AAAC★	5 Star	AAAC Guideline
FIIC	63	ASTM E1007-14



Definitions of Noise Metrics

FIIC:

Field Impact Insulation Class is a single-number rating of how well a floor system attenuates impact type sounds, such as footsteps. Calculated from third-octave band normalised impact sound pressure level data and referenced to 10 m² as described in ASTM E989. The higher the single-number rating, the better its impact insulation performance.

L'nT,w:

The Weighted Standardised Impact Sound Pressure Level when measured in situ referenced to a reverberation time (RT60) of 0.5 seconds. Used by the AAAC to determine their respective Star Rating.

CI:

Spectrum adaption term is a low frequency correction factor. Typically for massive floors such as concrete, the values are about zero while for timber joist floors CI is positive because of the low resonant frequencies. Considers frequency range between 100- and 2500 Hz.

CI(50-2500):

Same as above, but for the frequency range 50 -2500 Hz.

CI(125-2000):

Same as above, but for the frequency range 125 -2000 Hz.

AAAC Star R.	2	3	4	5	6
L'nT,w	65	55	50	45	40
FIIC	45	55	60	65	70
Comments	Below BCA 62	Clearly Audible	Audible	Barely Inaudible	Normally Inaudible

Acoustic test results provided are only indicative of acoustic performance and are site specific, so outcomes may vary from building to building. Everfloor provides this information for guidance and indicative purposes only and does not guarantee any specific acoustic outcome. Indicative testing has been completed by acoustic engineers according to AS/NZS ISO 140.7:2006 and the rating has been determined as per AS ISO 717.2:2004.

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Part 8: Acoustic Test (14mm Engineered + MS Adhesive (V Notch))

System Tested	L'_{nTw}^3	FIIC ^{4,5}	AAAC ⁶
Bare Concrete Floor (ECFS only) - for comparison purposes only	54	50	3
14mm Engineered + MS Adhesive (V Notch)	42	68	5

FIELD MEASUREMENTS OF IMPACT SOUND INSULATION OF FLOORS

Date of Test : Thursday, 11 December 2025
Project No. : 3523
Testing Company : Koikas Acoustics
Checked by : James Tsevrementzis
Place of Test : Residential Unit in Forest Lodge (Living/Dining)
Client : Everfloor
Client Address : -

Description of Floor System	Name	Thickness (mm)	Density (S)
Engineered Timber		14	--
FLOOR+ MS Adhesive (V-Notch)		6	--
Concrete Sub Base		--	--
Suspended Plasterboard Ceiling		--	--

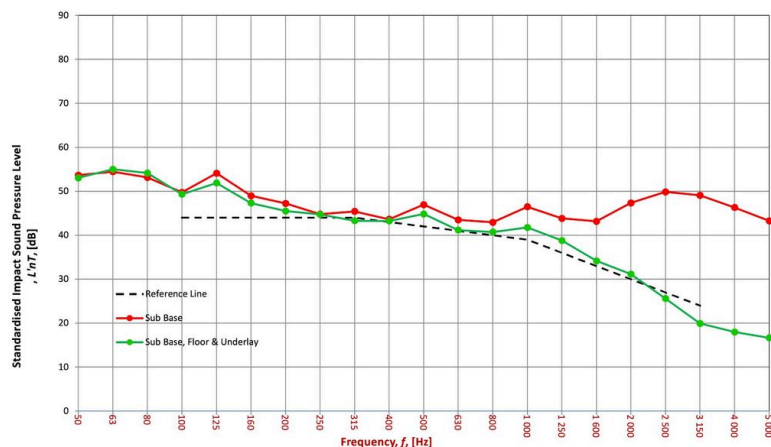
Room Width : 4.4 m
Floor Length : 8.2 m
Dimensions Area : 36.08 m²

Sample Width : 1 m
Dimensions Length : 1 m
Area : 1 m²

Receiver Rm	Location	Width	Length	Area	Height	Volume
Unit below Living/Dining		4.4	8.2	36.08	2.7	97.42

Room Surfaces		
Walls	Floor	Ceiling
Plasterboard	Carpet	Plasterboard

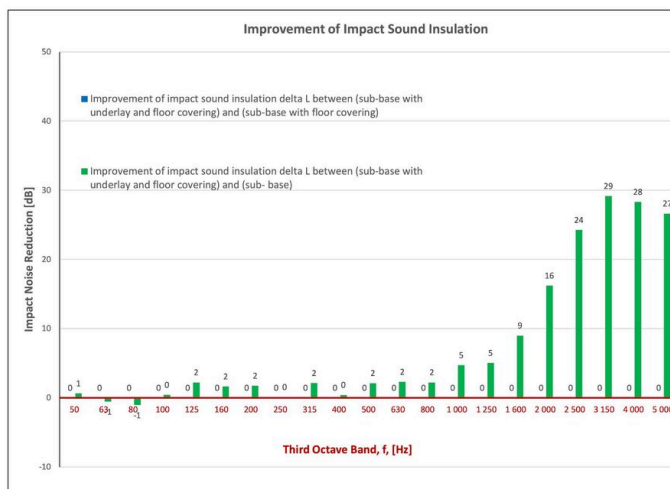
Frequency f Hz	L'nT (one-third octave) dB		
	Sub Base	Sub Base Floor	Sub Base Floor Underlay
50	53.7	NA	53.0
63	54.5	NA	55.0
80	53.1	NA	54.2
100	49.7	NA	49.3
125	54.1	NA	51.9
160	49.0	NA	47.3
200	47.2	NA	45.5
250	44.8	NA	44.7
315	45.4	NA	43.3
400	43.6	NA	43.2
500	46.9	NA	44.8
630	43.5	NA	41.2
800	42.9	NA	40.7
1 000	46.5	NA	41.8
1 250	43.8	NA	38.8
1 600	43.2	NA	34.2
2 000	47.4	NA	31.2
2 500	49.9	NA	25.6
3 150	49.1	NA	19.9
4 000	46.3	NA	18.0
5 000	43.3	NA	16.7



Sub Base		
L'nT,w	54	AS ISO 717.2 - 2004
CI	-9	AS ISO 717.2 - 2004
CI(50-2500)	-7	AS ISO 717.2 - 2004
CI(63-2000)	-8	AS ISO 717.2 - 2004
AAAC★	3 Star	AAAC Guideline
FIIC	50	ASTM E1007-14

Sub Base & Floor		
L'nT,w	NA	AS ISO 717.2 - 2004
CI	NA	AS ISO 717.2 - 2004
CI(50-2500)	NA	AS ISO 717.2 - 2004
CI(63-2000)	NA	AS ISO 717.2 - 2004
AAAC★	NA	AAAC Guideline
FIIC	NA	ASTM E1007-14

Sub Base, Floor & Underlay		
L'nT,w	42	AS ISO 717.2 - 2004
CI	0	AS ISO 717.2 - 2004
CI(50-2500)	4	AS ISO 717.2 - 2004
CI(63-2000)	3	AS ISO 717.2 - 2004
AAAC★	5 Star	AAAC Guideline
FIIC	68	ASTM E1007-14



Definitions of Noise Metrics

FIIC:

Field Impact Insulation Class is a single-number rating of how well a floor system attenuates impact type sounds, such as footsteps. Calculated from third-octave band normalised impact sound pressure level data and referenced to 10 m² as described in ASTM E989. The higher the single-number rating, the better its impact insulation performance.

L'nT,w:

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