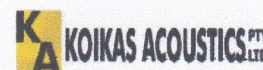


TRANQUIL ACOUSTIC FLOORING UNDERLAY (2MM)

AAAC 5 STAR RATING PREMIUM RUBBER UNDERLAY LOW VOC LEVELS BEST IMPACT SOUND INSULATION	
Product	Tranquil Acoustic Flooring Underlay
AAAC Rating	5 Stars
Material	15% natural rubber with aluminum foil moisture shield and non-woven fabric
Thickness	2mm
Specifications	Roll width: 1m +/- 3mm Roll length: 10m +/- 15cm 10 sqm / roll Density: 1.7 kgs / sqm
Applications	Commercial & Domestic
Comply acoustic requirements of the current BCA and AAAC star rating 5	
Note: Prior to any acoustic underlay installation, it is recommended to carry out clients' own tests to meet the specific requirements in their area.	

FIELD MEASUREMENTS OF IMPACT SOUND INSULATION OF FLOORS (TEST 1)



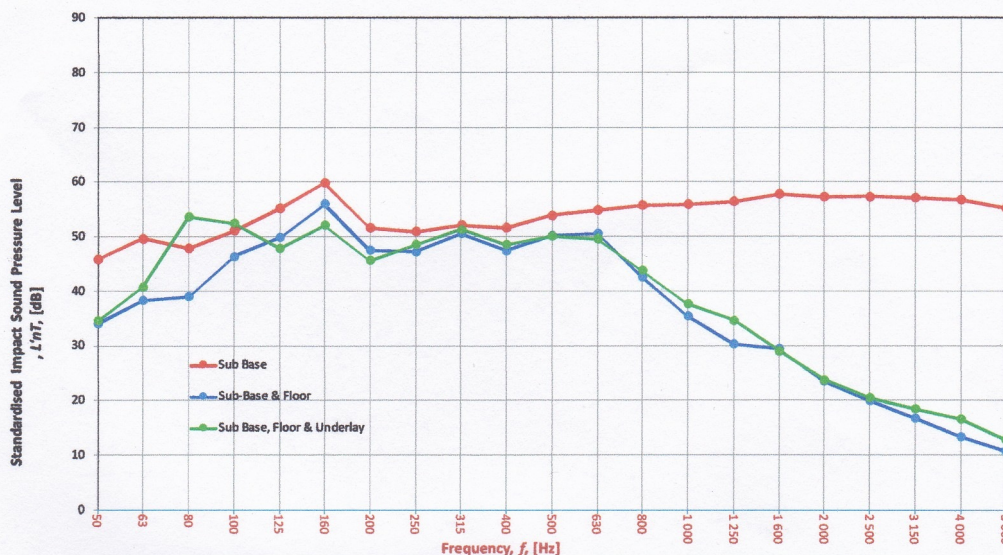
	Name	Thickness (mm)	Density (SI)
Description of Floor System	15 mm European Oak Engineered Timber 2 mm Timber Flooring Rubber Underlay (TEST 1) 200 mm Post-Tensioned Steel Reinforced Concrete Slab White Setting to the Ceiling Below	15 2 200 3~5	-- -- 2540 --

Room Dimensions	Width : 6 m Length : 4 m Area : 24 m ²
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Sample Dimensions	Width : 1 m Length : 1 m Area : 1 m ²
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Receiver Rm	Location	Width	Length	Area	Height	Volume	Walls	Room Surfaces	Ceiling
	Level 2 Living/Dining	6	4	24	2.7	64.8	Plasterboard	Floor Concrete	Ceiling Concrete

Frequency f Hz	L'nT (one-third octave) dB		
	Sub Base	Sub Base Floor	Sub Base Floor Underlay
50	45.9	34.1	34.5
63	49.6	38.2	40.8
80	47.8	39.0	53.7
100	51.1	46.4	52.4
125	55.1	49.8	47.8
160	59.9	55.9	52.1
200	51.6	47.6	45.6
250	50.8	47.2	48.4
315	52.1	50.5	51.3
400	51.6	47.4	48.5
500	53.9	50.2	50.1
630	54.8	50.5	49.5
800	55.7	42.6	43.8
1 000	55.9	35.4	37.7
1 250	56.4	30.2	34.7
1 600	57.7	29.4	29.0
2 000	57.3	23.4	23.7
2 500	57.3	20.0	20.5
3 150	57.0	16.6	18.3
4 000	56.7	13.3	16.5
5 000	55.2	10.7	12.8



Sub Base	
L'nT,w	63
Ci	-11
Ci(50-2500)	-11
Ci(63-2000)	-11
AAAC★	2 Star
FIC	39
AS ISO 717.2 - 2004 AAAC Guideline ASTM E1007-14	

Sub Base & Floor	
L'nT,w	45
Ci	0
Ci(50-2500)	0
Ci(63-2000)	0
AAAC★	5 Star
FIC	60
AS ISO 717.2 - 2004 AAAC Guideline ASTM E1007-14	

Sub Base, Floor & Underlay	
L'nT,w	45
Ci	0
Ci(50-2500)	1
Ci(63-2000)	1
AAAC★	5 Star
FIC	61
AS ISO 717.2 - 2004 AAAC Guideline ASTM E1007-14	