



PERFORMANCE PLUS UNDERLAY®

Performance Plus is a high quality medium density cross-linked polyolefin underlay. Performance Plus incorporates a continuous damp-proof, a 100mm overlap with an integrated peel and stick tape. Independent testing has found Performance plus has excellent acoustic and moisture resistant qualities, and complies with the BCA multi story requirements. This underlay has achieved a 5 Star rating. Test report available on request.

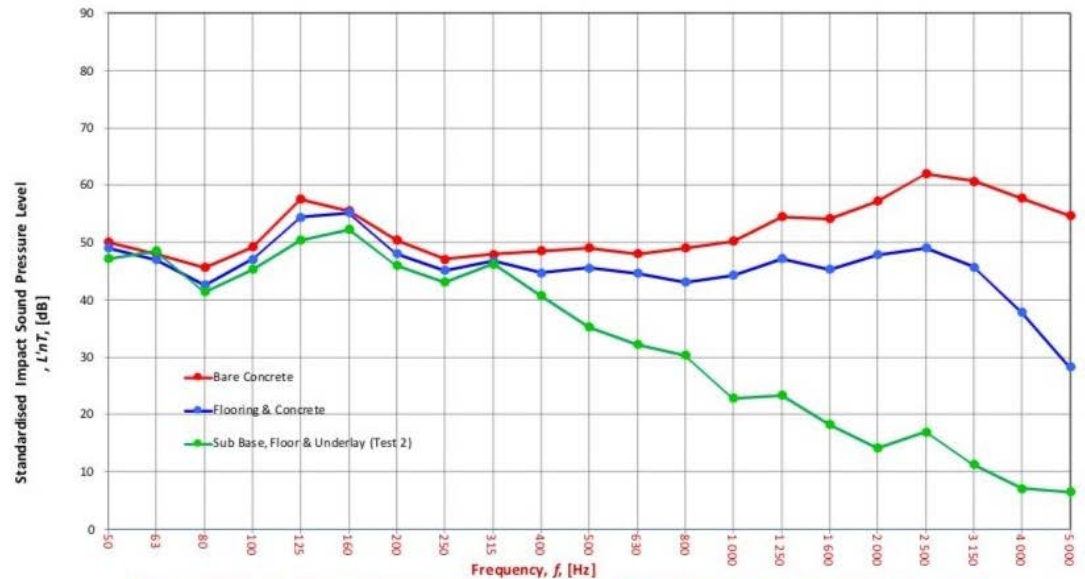
Performance Plus Acoustic is a superior underlay that performs exceptionally well in multi-story buildings. In addition, Performance Plus Acoustic underlay greatly reduces reflected noise associated with floor traffic, making your floor sound and feel more solid underfoot. Performance Plus acoustic also incorporates a continuous damp-proof with a 100mm overlap with an integrated peel and stick tape, and complies with the BCA multi story requirements. This underlay has achieved a 6 Star rating. Test report available on request.

Thickness Supplied	2mm
Water vapor transmission (SD > 75m)	SD=138
Permeance (g/m ² .Pa.s)	1.36x10 ⁻⁹
Water Transmission (g/m ² .hr)	.0138
Multi-story	LnTw= 44
FIIC	65
AAAC Star Ratings	5 Star

Thickness Supplied	2mm
Water vapor transmission (SD > 75m)	SD=154
Permeance (g/m ² .Pa.s)	1.17x10 ⁻⁹
Water Transmission (g/m ² .hr)	.0118
Multi-story	LnTw= 40
FIIC	68
AAAC Star Ratings	6 Star

Test Method: ASTM E96 “Standard Test Method for Water Vapor Transmission of Materials (Water method, temperature: 23±2oC, RH: 40±5%).

Frequency f Hz	L'nT (one-third octave) dB		
	Sub Base	Sub Base Floor	Sub Base Floor Underlay
50	50.0	49.0	47.2
63	47.9	47.0	48.5
80	45.6	42.6	41.4
100	49.2	47.1	45.3
125	57.5	54.4	50.4
160	55.5	55.1	52.3
200	50.4	48.0	46.0
250	47.1	45.1	43.0
315	47.9	46.7	46.2
400	48.5	44.7	40.7
500	49.0	45.5	35.2
630	47.9	44.6	32.2
800	49.0	43.0	30.3
1 000	50.3	44.3	22.8
1 250	54.5	47.1	23.4
1 600	54.2	45.3	18.1
2 000	57.2	47.8	14.1
2 500	62.0	49.0	16.9
3 150	60.7	45.7	11.3
4 000	57.7	37.8	7.1
5 000	54.7	28.2	6.5



Bare Concrete		
L'nT,w	65	AS ISO 717.2 - 2004
Ci	-14	AS ISO 717.2 - 2004
Ci(50-2500)	-13	AS ISO 717.2 - 2004
Ci(63-2000)	-16	AS ISO 717.2 - 2004
AAAC★	2 Star	AAAC Guideline
FIIC	39	ASTM E1007-14

Sub Base & Floor (Flooring & Concrete)		
L'nT,w	53	AS ISO 717.2 - 2004
Ci	-7	AS ISO 717.2 - 2004
Ci(50-2500)	-7	AS ISO 717.2 - 2004
Ci(63-2000)	-7	AS ISO 717.2 - 2004
AAAC★	3 Star	AAAC Guideline
FIIC	54	ASTM E1007-14

Sub Base, Floor & Underlay (Test 2)		
L'nT,w	40	AS ISO 717.2 - 2004
Ci	1	AS ISO 717.2 - 2004
Ci(50-2500)	3	AS ISO 717.2 - 2004
Ci(63-2000)	2	AS ISO 717.2 - 2004
AAAC★	6 Star	AAAC Guideline
FIIC	68	ASTM E1007-14

”The water vapor resistance (equivalent air layer thickness – Sd values) was calculated in accordance with BS 5250: 2002 Annex E – Code of practice for condensation in buildings.

*Site test Data supplied above is for Performance Plus Acoustic. Heated Floors or floors that are knowingly or logically wet, require a separate 200um plastic barrier with 300mm overlap, and turned up the walls.