Assessment on Acoustic Test

Resistance Hybrid

Lab test Intertek

Standard ASTM E989-12; ASTM E492-09

Test Date 04/07/2017

Temperature23°CRelative Humidity70%Specimen Area10.8m2

Construction Bare 150mm concrete slab

6.8mm WPC backed by 1.6mm EVA underlay non-bonding floating

installation on 150mm bare concrete

Frequency (Hz)	Ln (dB)	
100	57	70 40
125	62	
160	61	65 45
200	61	60 50
250	58	55 55
315	57	⊕ ₅₀ 60
400	55	
500	54	45 65 <u>9</u>
630	51	70
800	47	35
1000	42	
1250	41	30 80
1600	37	25 4 4 4 4 4 4 4 4 4 4 4 4 8 5
2000	33	100 125 160 200 250 315 400 630 630 630 630 800 1250 3150 3150 3150 3150 3150 3150 3150 31
2500	31	Frequency, Hz
3150	28	
IIC=		

Impact Isolation Class: IIC 57

Note:

- 1. IIC value for the whole floor assembly system
- 2. Ln = Normalized sound pressure level for covering over floor system
- 3. Test results comply with BCA Part 5.3 Impact Sound and AAAC 2 star rating
- 4. Pink line shows reference contour according to ASTM E989 and blue line indicates the measurement value of normalized impact sound pressure level for Brumby Range sample

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