

PHYSICAL DATA SUMMARY

Representative data

Physical Properties		Test Method
Moisture Content	1.5%	JIS A 6301
Modulus of Rupture	25kgf/cm ²	JIS A 6301
Fire Propagation Test	Class 0	B.S.476 Part 6
Flame Spread	Class A (0-25)	ASTM E82
	0	Australian Standards 1530.3
	20	UL723
	Class 1	B.S.476 Part 7
Light Reflectance	Over 0.80	ASTM E1477
Sound Absorption Coefficient (NRC)	0.18	ASTM C423
Ceiling Attenuation Class (CAC)	40 ('15mm) 38 ('12mm)	ASTM E1414

SOUND ABSORPTION COEFFICIENT (NRC)

Sound Absorption Coefficient

Installation Method	Thickness	Frequency (Hz)					
		125	250	500	1000	2000	4000
Adhesive and Nails System (with gypsum board backing)	15mm	0.31	0.28	0.41	0.64	0.80	0.97
	19mm	0.28	0.35	0.55	0.65	0.77	0.95
Concealed Z-Bar System	15mm	0.59	0.43	0.49	0.63	0.69	0.95

SOUND TRANSMISSION CLASS (STC)

Sound Transmission Loss

Installation Method	Thickness	Frequency (Hz)					
		125	250	500	1000	2000	4000
Adhesive and Nails System (with gypsum board backing)	15mm	19	22	25	30	34	32
	19mm	26	26	28	31	36	41
Concealed Z-Bar System	15mm	15	17	15	20	29	32