

Frequency (Hz)	Ref Value (dBL)	Shifted Curve (dBL)	Deficiency		TL = LD _{avg} + K (dBL)
100	33	22	-15.2	0.0	37.2
125	36	25	-5.0	0.0	30.0
160	39	28	-7.4	0.0	35.4
200	42	31	-5.7	0.0	36.7
250	45	34	-1.1	0.0	35.1
315	48	37	1.1	1.1	35.9
400	51	40	4.3	4.3	35.7
500	52	41	6.8	6.8	34.2
630	53	42	6.7	6.7	35.3
800	54	43	5.5	5.5	37.5
1000	55	44	4.0	4.0	40.0
1250	56	45	3.1	3.1	41.9
1600	56	45	1.0	1.0	44.0
2000	56	45	-0.2	0.0	45.2
2500	56	45	-1.0	0.0	46.0
3150	56	45	-1.2	0.0	46.2
4000	56	45	-3.8	0.0	48.8
5000	56	45	-5.9	0.0	50.9
Total deficiency 125 - 4000Hz (ASTM E90):				32	
				Total deficiency ≤ 32	OK
ASTM E90 Adjust shifted value		11	STC	41	

Sound Transmission Performance of 150mm thick solid Pre-cast wall panel system,
STC 41, Dated Test: 1 Jul 2015 Job No: 7191112998-MEC15/5C-EMK



PSB Singapore

