

Frequency (Hz)	Ref Value (dBL)	Shifted Curve (dBL)	Deficiency		TL = LD _{avg} + K (dBL)
100	33	21	-15.5	0.0	36.5
125	36	24	-5.5	0.0	29.5
160	39	27	-6.9	0.0	33.9
200	42	30	-4.6	0.0	34.6
250	45	33	-1.7	0.0	34.7
315	48	36	1.0	1.0	35.0
400	51	39	4.1	4.1	34.9
500	52	40	6.2	6.2	33.8
630	53	41	5.8	5.8	35.2
800	54	42	4.5	4.5	37.5
1000	55	43	2.9	2.9	40.1
1250	56	44	2.2	2.2	41.8
1600	56	44	0.4	0.4	43.6
2000	56	44	-0.7	0.0	44.7
2500	56	44	-1.9	0.0	45.9
3150	56	44	-3.4	0.0	47.4
4000	56	44	-4.9	0.0	48.9
5000	56	44	-6.2	0.0	50.2
Total deficiency 125 - 4000Hz (ASTM E90):				27.0	
				Total deficiency ≤ 32	OK
ASTM E90 Adjust shifted value		12	STC	40	

Sound Transmission Performance of 100mm thick solid Pre-cast wall panel system,
STC 40, Dated Test: 29 Jun 2015 Job No: 7191112998-MEC15/5B-EMK



PSB Singapore

