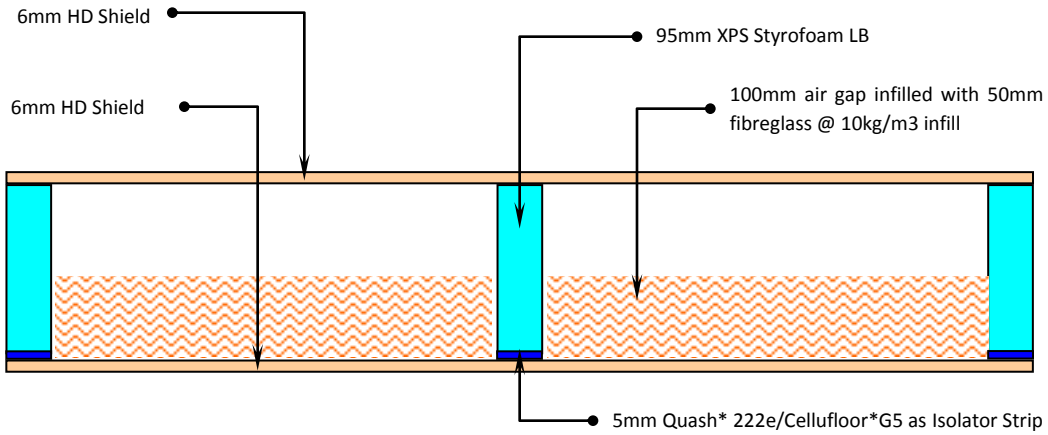
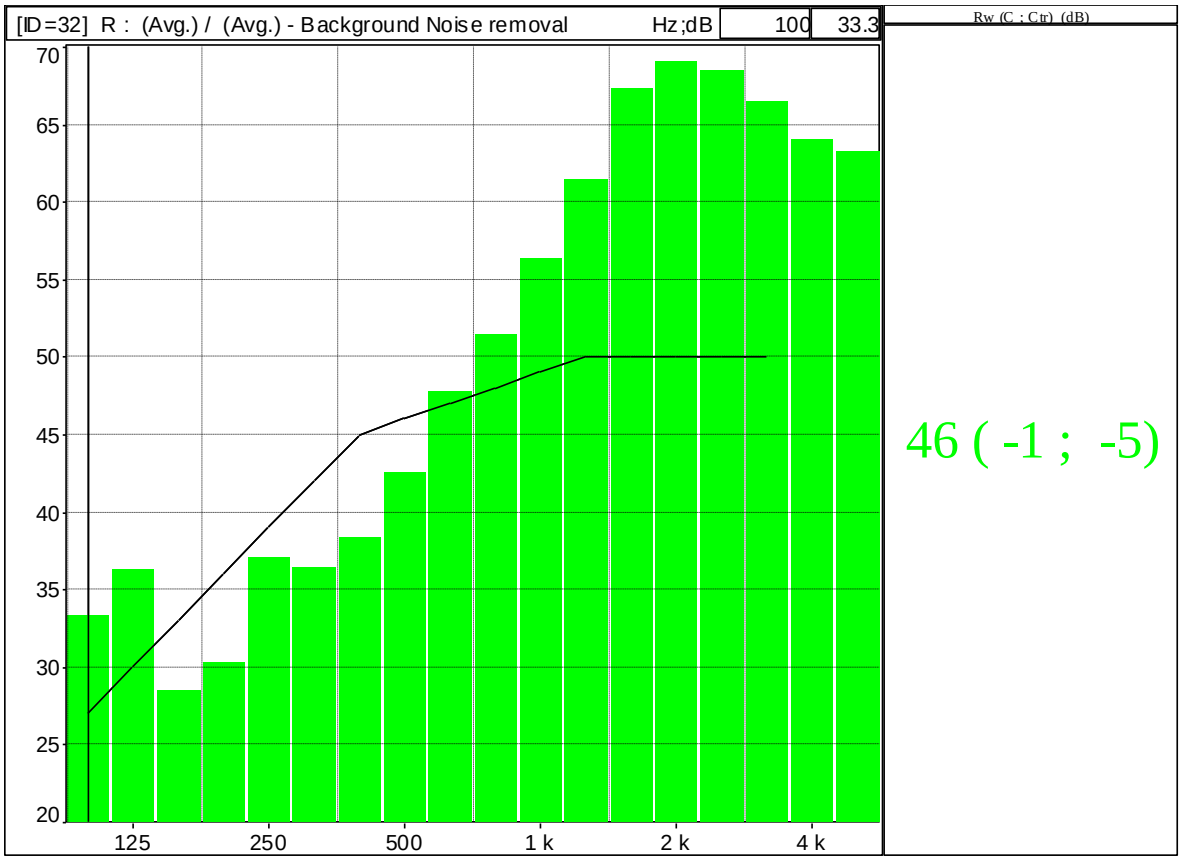
Date	Thursday, 18th February 2009		
Test Facilities	UiTM Acoustic Test Laboratory, Shah Alam	Sample Supervision	SH Lee (MISB)
Test By	Professor Seti Mariam, Faculty of Architecture	Technical Supervision	Terence Law (MISB
Instruments	01dB, France (www.01dB.com)	Checked By	Yogi Wong
Test Targets	Random Production Check	Commissioned By	MISB

Model **Cogent Panel Model HDRe46 (2HD6-100)**

Composition

Layer 1	6mm HD Shield @ 1355 kg/m3 weighted before tests
Layer 2	95mm XPS Styrofoam LB lightweight framework infill with 50mm fiberglass @ 10kg/m3
Layer 3	5mm Quash* 222e/Cellufloor*G5 as Isolator Strip
Layer 4	6mm HD Shield @ 1354 kg/m3 weighted before tests





Building Test Sample

Date	Thursday, 18th February 2009
Test Facilities	UiTM Acoustic Test Laboratory, Shah Alam
Test By	Professor Seti Mariam, Faculty of Architecture
Panels	Cogent Model HDRe46 (2HD6-100) Prefabricated
Panels Size	1220 x 2275 x 112mm thk
Test Opening	9.5m2

D:\MISB\HDRe6075-100.CMG	
ID	32
Family	Sound insulation
Type	R / Rw
X axis resolution	1/3
Date	02/19/09 14:47:54
location	(Avg.) / (Avg.)
Comments	Background Noise removal
Channel	
Hz	dB
100	33.3
125	36.3
160	28.4
200	30.3
250	37.0
315	36.4
400	38.3
500	42.5
630	47.7
800	51.4
1 k	56.3
1.25 k	61.4
1.6 k	67.3
2 k	69.0
2.5 k	68.4
3.15 k	66.4
4 k	63.9
5 k	63.2
Standard value	Rw (C ; Ctr) (dB) = 46 (-1 ; -5)

Special Conditions for Building Systems > Rw 45 to Rw 50

a. 125 Hz > 30 dB

b. 1000Hz > 45 dB

Thermal Values

Thermal Resistance/U Values may be improved with the addition of infill.
For more compatible options, please contact our offices.
The purpose of this test concentrates on Acoustic Performance Only.

Test Photos