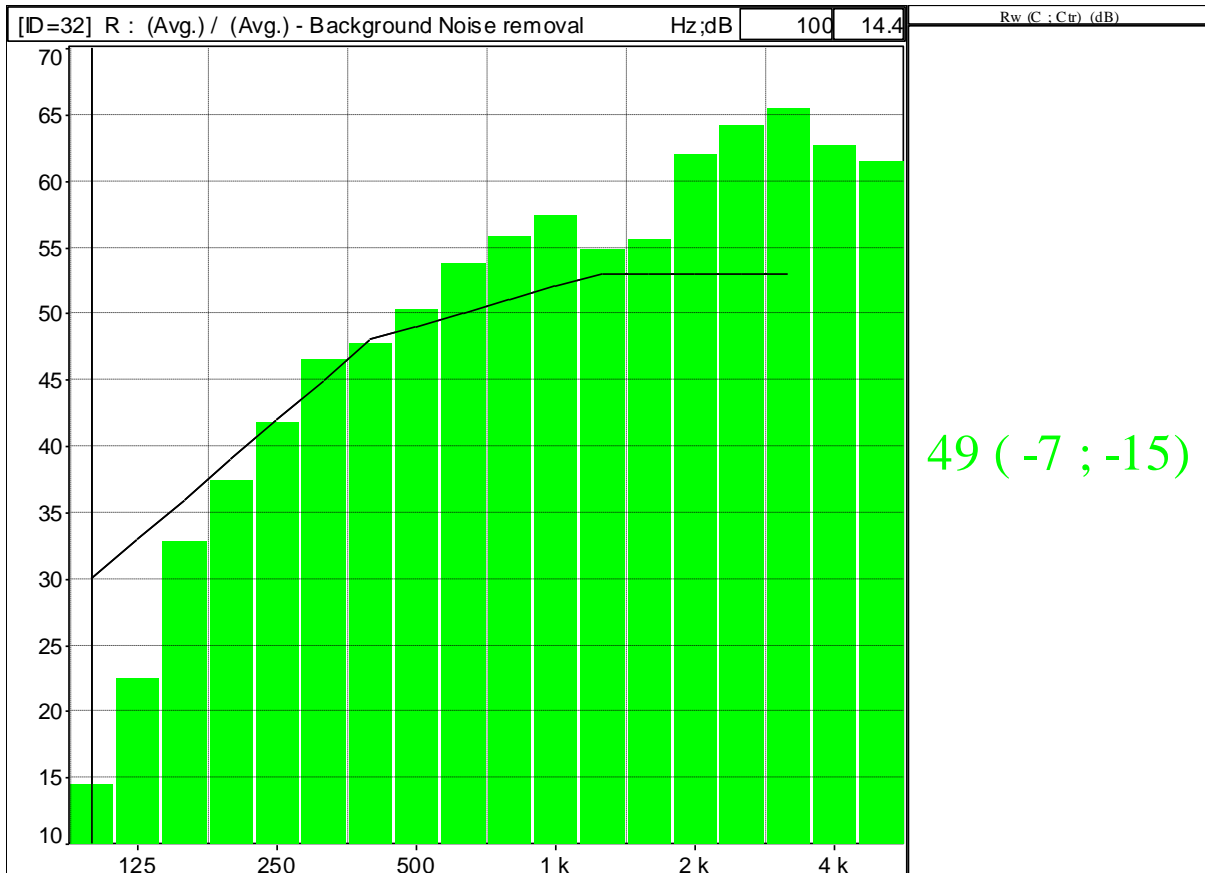
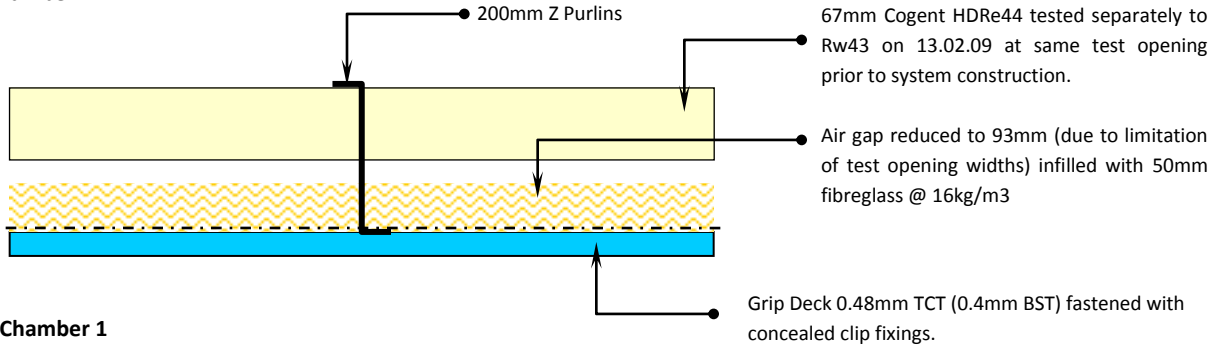


Date	Wednesday, 18th February 2009	Page 1 of 3
Test Facilities	UiTM Acoustic Test Laboratory, Shah Alam	Sample Supervision
Test By	Professor Seti Mariam, Faculty of Architecture	SH Lee (MISB)
Instruments	01dB, France (www.01dB.com)	Technical Supervision
Test Targets	STC45 Roof System By Sky Zip	Terence Law (MISB)
		Witness By
		Putra Perdana
		Commissioned By
		V Poon (Sky Zip)

Composition

Layer 1	0.48mm TCT (0.4mm BST) Sanko Grip Deck Metal Roofing (Conceal clip fixing)
Layer 2	Aluminium Foil Vapour Barrier
Layer 3	93mm Air Gap Infilled with 50mm Fibre glass @ 16kg/m ³
Layer 4	67mm Cogent HDRe44 tested separately to Rw43 on 13 th Feb 2009 using 9.5m ² opening

Chamber 2



Cogent Panels HDRe44 Butt Jointed without seals.

Raining Outside elevating Background Noise from noise generated from rain falling on poly carbonate canopy outside laboratory.

Building Test Sample

Date Tuesday, 16th February 2009
 Test Facilities UiTM Acoustic Test Laboratory, Shah Alam
 Test By Professor Seti Mariam, Faculty of Architecture
 Panels STC 45 Roof System by Sky Zip
 Test Opening 9.5m² in accordance with ISO 140/1

Chamber 1 Volume 55m³
 Chamber 2 Volume 97m³

Test Photos

CMG2	
ID	32
Family	Sound insulation
Type	R / Rw
X axis resolution	1/3
Date	02/18/09 17:19:36
location	(Avg.) / (Avg.)
Comments	Background Noise removal
Channel	
Hz	dB
100	14.4
125	22.4
160	32.7
200	37.3
250	41.8
315	46.5
400	47.7
500	50.3
630	53.7
800	55.8
1 k	57.3
1.25 k	54.8
1.6 k	55.5
2 k	62.0
2.5 k	64.2
3.15 k	65.4
4 k	62.6
5 k	61.5
Standard value	Rw (C ; Ctr) (dB) = 49 (-7 ; -15)

