

DATE: 07.02.14

Performance Criteria: **Sound Insulation**

Applicable Standards: BS EN ISO 10140-2: 2010; ISO 717-1:1996

System: Revolution 54

Configuration: **12mm Toughened + 12.8mm Acoustic Laminate**

Description: Double glazed screen comprising multiple modules of 12mm toughened glass on one face and 12.8mm acoustic laminated glass on the other, installed into aluminium track sections with glass sealed into tracks with PVC gaskets and between panels with Optima Nebula™ dry-joints

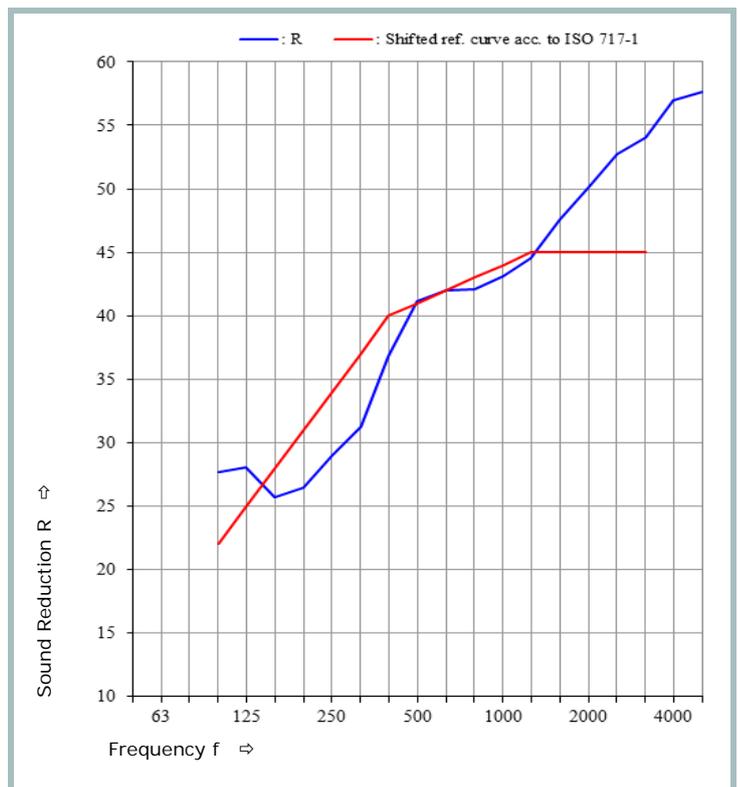
Test Date: 18.01.11

Test Report Number: 33-142

Test Specimen Area: 8.64m²

Test Data:

Frequency (Hz)	R (dB) screen	R (dB) door
100	27.7	~
125	28.1	~
160	25.7	~
200	26.5	~
250	29.0	~
315	31.3	~
400	36.8	~
500	41.2	~
630	42.0	~
800	42.1	~
1000	43.1	~
1250	44.5	~
1600	47.6	~
2000	50.1	~
2500	52.7	~
3150	54.1	~



Third Octave Band

Weighted Sound Reduction Index	R_w (C; Ctr) 41 (-1; -5) dB
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Independently tested at UKAS accredited acoustic test laboratory

Issued By: 
Position: Technical Product Manager

To validate this certified performance the system installation must be carried out in strict accordance with the details summarised in the Optima Designer's Guide and Installer's Guide.