

DATE: 21.01.14

Performance Criteria: **Sound Insulation**

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

System: Optima 117 PLUS

Configuration: **Single glazed in 12.8mm Acoustic Laminate**

Description: Glazed screen comprising multiple modules of 12.8mm acoustic laminate glass installed into aluminium track sections with glass sealed into tracks with PVC gaskets and between panels with Optima Nebula™ dry-joints.

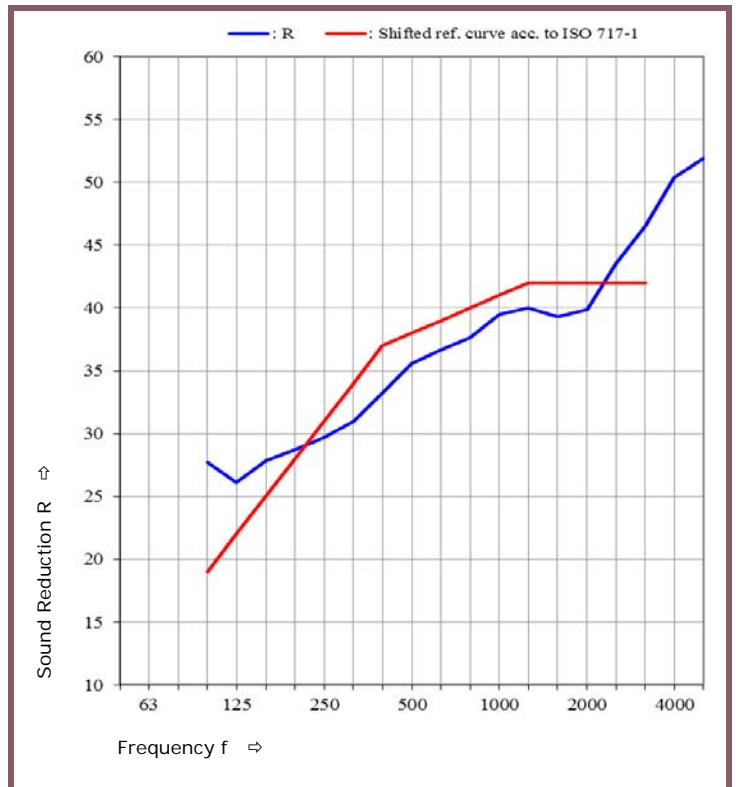
Test Date: 30.11.11

Test Report Number: 542-432

Test Specimen Area: 8.64m²

Test Data:

Frequency (Hz)	R (dB) screen	R (dB) door
100	27.7	~
125	26.1	~
160	27.8	~
200	28.7	~
250	29.7	~
315	31.0	~
400	33.2	~
500	35.6	~
630	36.7	~
800	37.6	~
1000	39.5	~
1250	40.0	~
1600	39.3	~
2000	39.9	~
2500	43.5	~
3150	46.5	~



Third Octave Band

Weighted Sound Reduction Index	R_w (C;Ctr) 38 (-0; -3) 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.