

DATE: 19.05.15 (Revised 05.09.17)

Performance Criteria: Sound Insulation

Applicable Standards: BS EN ISO 10140-2: 2010; ISO 717-1:2013

System: Revolution 100

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 dry-joints.

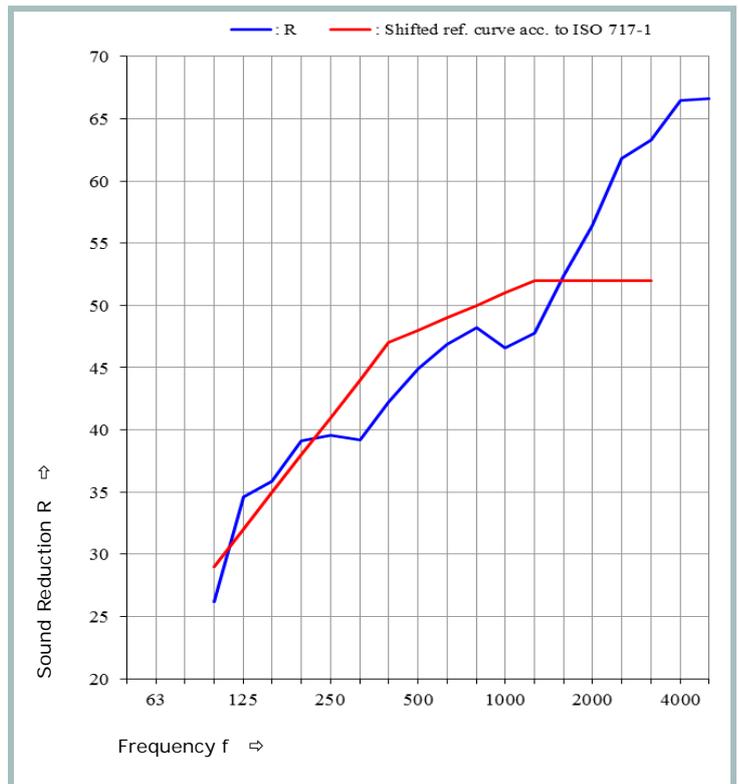
Test Date: 27 March 2015

Test Report Number: 2151-1845

Test Specimen Area: 5.56m²

Test Data:

Frequency (Hz)	R (dB) screen	R (dB) door
100	26.2	~
125	34.6	~
160	35.9	~
200	39.1	~
250	39.6	~
315	39.2	~
400	42.2	~
500	44.9	~
630	46.9	~
800	48.2	~
1000	46.6	~
1250	47.8	~
1600	52.4	~
2000	56.4	~
2500	61.8	~
3150	63.3	~



Third Octave Band

Weighted Sound Reduction Index	R_w (C;Ctr) 48 (-1;-6) 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.