

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: 16.8mm Acoustic Laminate

Description: Single glazed screen comprising multiple modules of 16.8mm acoustic laminated glass, installed into aluminium track sections with glass sealed into tracks with PVC gaskets and between panels with Optima dry-joints.

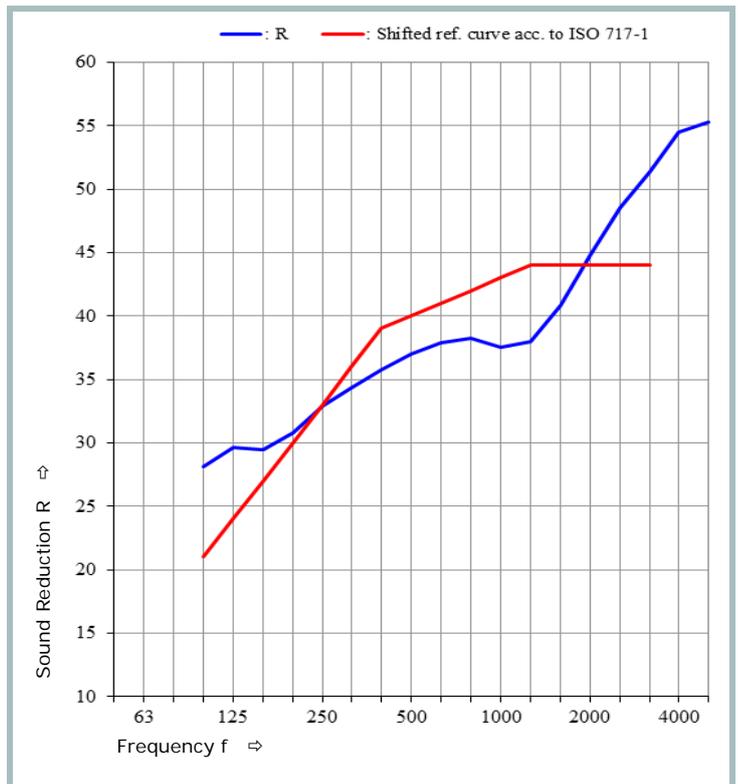
Test Date: 31 March 2015

Test Report Number: 2151-1857

Test Specimen Area: 5.56m²

Test Data:

Frequency (Hz)	R (dB) screen	R (dB) door
100	28.1	~
125	29.6	~
160	29.5	~
200	30.8	~
250	32.9	~
315	34.3	~
400	35.8	~
500	37.0	~
630	37.9	~
800	38.2	~
1000	37.5	~
1250	38.0	~
1600	40.8	~
2000	44.8	~
2500	48.5	~
3150	51.4	~



Third Octave Band

Weighted Sound Reduction Index	R_w (C;Ctr) 40 (-1; -3) dB
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Independently tested at UKAS accredited acoustic test laboratory

Issued By: 
Position: Technical 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.