

DATE: 11.01.16 (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 + 12mm Toughened

Description: Double glazed screen comprising multiple modules of 12mm toughened glass on both faces, installed into aluminium track sections with glass sealed into tracks with PVC gaskets and between panels with Optima dry-joints

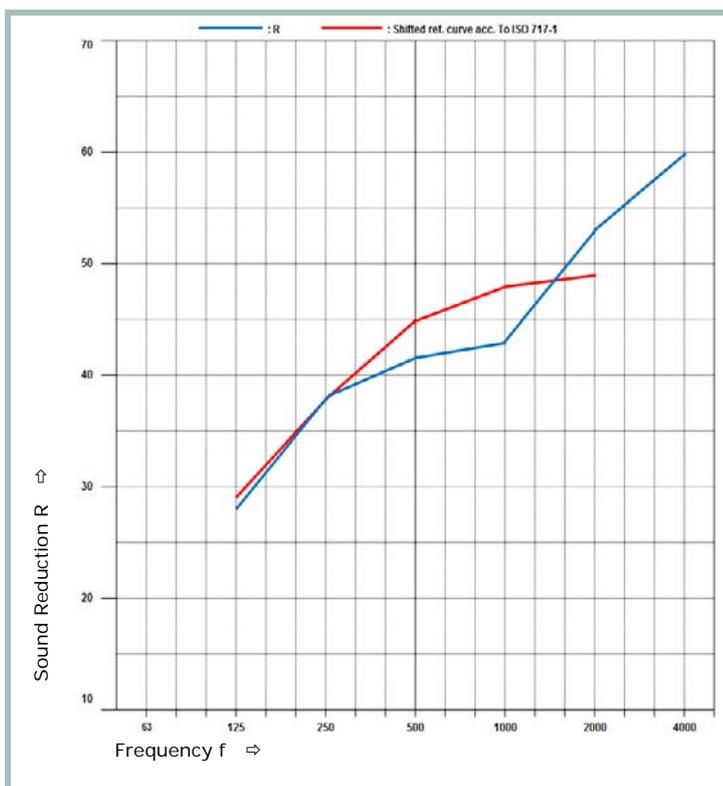
Assessment Date: 30 September 2015

Assessment Number: EPL5466 (reference test numbers 2151-1845 to 1863 of 26/27 March 2015)

Test Specimen Area: 5.56m²

Assessment Data:

Frequency (Hz)	R (dB) screen	R (dB) door
100	~	~
125	28.0	~
160	~	~
200	~	~
250	38.0	~
315	~	~
400	~	~
500	42.0	~
630	~	~
800	~	~
1000	43.0	~
1250	~	~
1600	~	~
2000	53.0	~
2500	~	~
3150	~	~



Octave Band

Weighted Sound Reduction Index	R_w (C;Ctr) 45 (-2;-6) dB
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Independently assessed by the Equus Partnership Limited from UKAS accredited laboratory test data

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.