

*Performance Criteria:* **Sound Insulation**

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

*System:* Revolution 100

*Configuration:* **12mm Toughened**

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

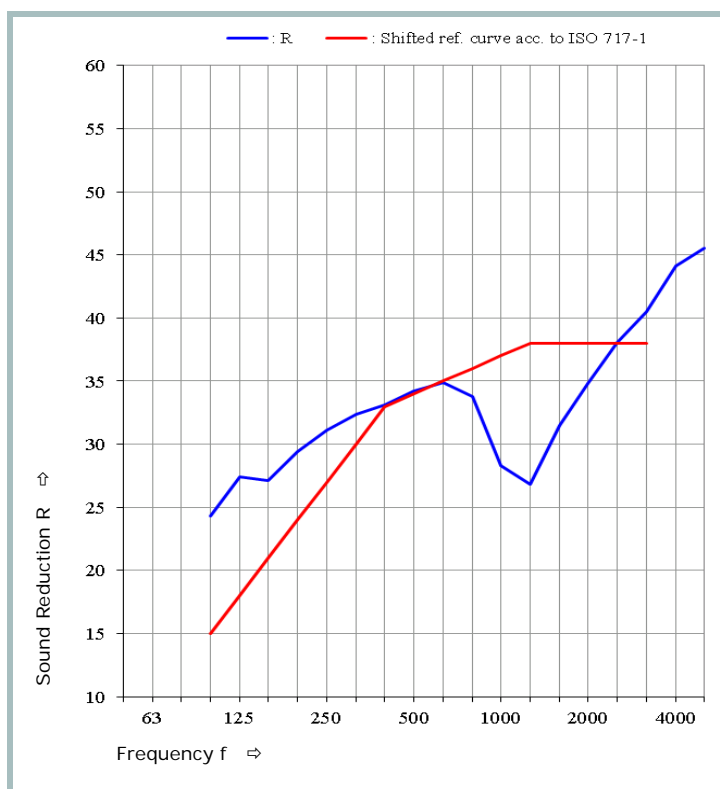
*Test Date:* 31 March 2015

*Test Report Number:* 2151-1861

*Test Specimen Area:* 5.56m<sup>2</sup>

*Test Data:*

Frequency (Hz)	R (dB) screen	R (dB) door
100	24.3	~
125	27.4	~
160	27.1	~
200	29.4	~
250	31.1	~
315	32.4	~
400	33.1	~
500	34.2	~
630	34.9	~
800	33.8	~
1000	28.3	~
1250	26.8	~
1600	31.5	~
2000	34.8	~
2500	38.1	~
3150	40.5	~



Third Octave Band

**Weighted Sound Reduction Index**

**R<sub>w</sub> (C; Ctr) 34 (-3; -4) dB**

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.