

DATE: 03.02.16 (Revised 05.09.17)

**Performance Criteria:** Sound Insulation

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

**System:** Revolution 100

**Configuration:** ELITE Symmetry Door in Microflush Frame

**Description:** ELITE Symmetry door in D660 door frame double glazed with 6mm toughened glass on the inside and 8mm toughened glass on the outside. Non-latching door swung on offset pivots. Double rebated door leaf with twin drop seals and Optima 2599 seal on the base and two each of Optima 2599 and 1108 seals to top and vertical edges.

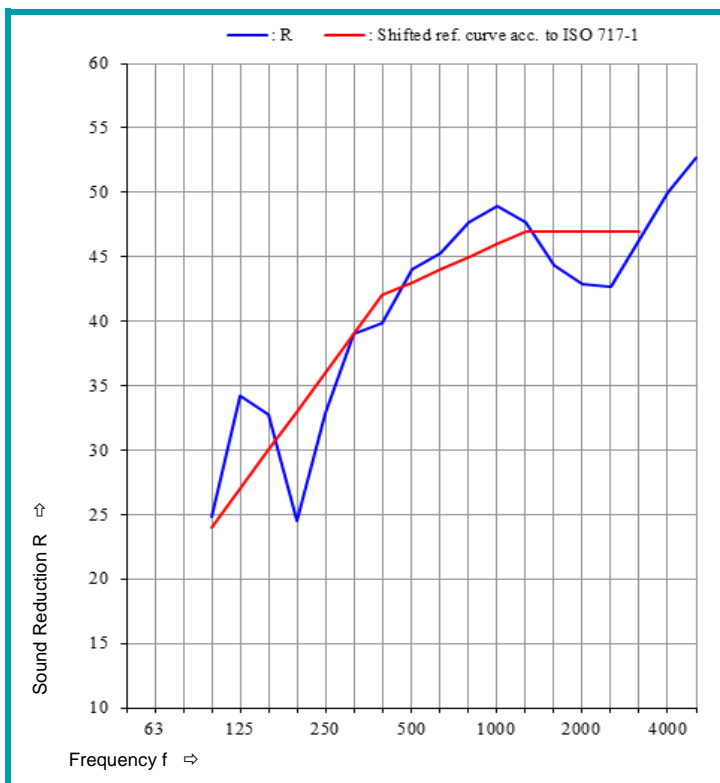
**Test Date:** 26 January 2016

**Test Report Number:** F15443/P002

**Test Specimen Area:** 2.40m<sup>2</sup>

**Test Data:**

Frequency (Hz)	R (dB) screen	R (dB) door
100	~	24.8
125	~	34.2
160	~	32.8
200	~	24.5
250	~	32.9
315	~	39.0
400	~	39.9
500	~	44.0
630	~	45.3
800	~	47.7
1000	~	48.9
1250	~	47.7
1600	~	44.3
2000	~	42.9
2500	~	42.7
3150	~	46.3



Third Octave Band

<b>Weighted Sound Reduction Index</b>	<b>R<sub>w</sub> (C;Ctr)</b> <b>43</b> (-1;-6) <b>dB</b>
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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.