

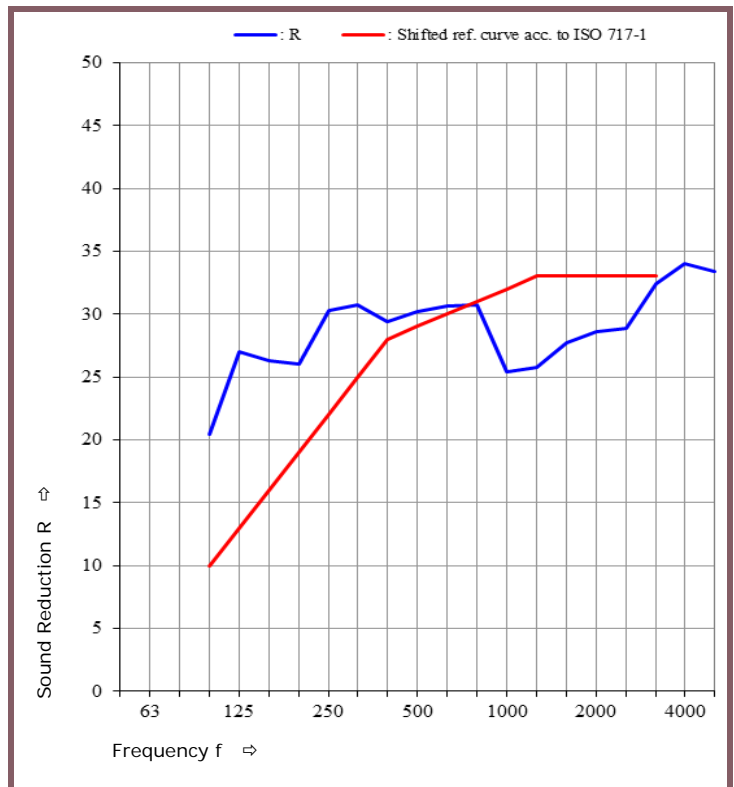
DATE: 30.05.17

**Performance Criteria: Sound Insulation****Applicable Standards:** BS EN ISO 10140-2; ISO 717-1**System:** Optima 36 Door**Configuration:** Single glazed in 10mm Toughened

**Description:** Single glazed door glazed with 10mm toughened glass. Hung in Optima Microflush door frame on butt hinges. Door frame fitted with Optima 1108 seal. Door fitted with Optima drop seal on base acting on NOR620 aluminium threshold plate and Optima 1105 seals to both vertical edges.

**Test Date:** 25.05.17**Test Report Number:** WYC384132/03/P010**Test Specimen Area:** 2.30m<sup>2</sup>**Test Data:**

Frequency (Hz)	R (dB) screen	R (dB) door
100	~	20.4
125	~	27.0
160	~	26.3
200	~	26.0
250	~	30.3
315	~	30.7
400	~	29.4
500	~	30.2
630	~	30.6
800	~	30.7
1000	~	25.4
1250	~	25.8
1600	~	27.7
2000	~	28.6
2500	~	28.9
3150	~	32.4



Third Octave Band

**Weighted Sound Reduction Index**
**R<sub>w</sub>**  
 (C; Ctr) **29** (-0; -1) dB

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.