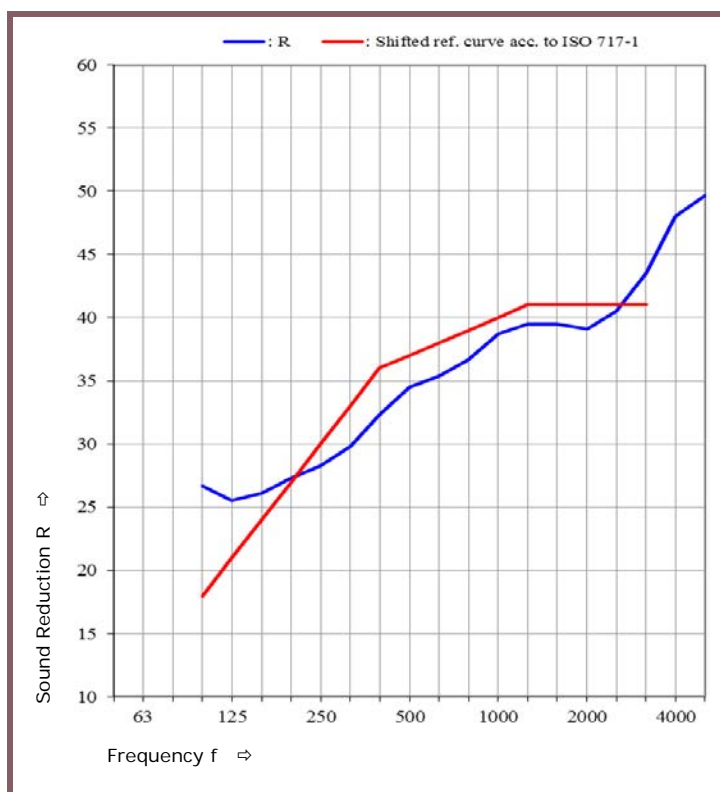


DATE: 04.11.16

Performance Criteria: Sound Insulation**Applicable Standards:** BS EN ISO 10140-2: 2010; ISO 717-1:1996**System:** Optima 36**Configuration:** Single glazed in 10.8mm Acoustic Laminate**Description:** Glazed screen comprising multiple modules of 10.8mm acoustic laminate glass installed into 36mm wide aluminium track sections with glass sealed into tracks with PVC gaskets and between panels with Optima dry-joints.**Test Date:** 30.11.11**Test Report Number:** 542-436 supported by 2916-2502 & 2503 (see Performance Certificate 036035)**Test Specimen Area:** 8.64m²**Test Data:**

| Frequency (Hz) | R (dB) screen | R (dB) door |
|----------------|---------------|-------------|
| 100 | 26.7 | ~ |
| 125 | 25.5 | ~ |
| 160 | 26.2 | ~ |
| 200 | 27.3 | ~ |
| 250 | 28.3 | ~ |
| 315 | 29.8 | ~ |
| 400 | 32.3 | ~ |
| 500 | 34.5 | ~ |
| 630 | 35.4 | ~ |
| 800 | 36.7 | ~ |
| 1000 | 38.7 | ~ |
| 1250 | 39.5 | ~ |
| 1600 | 39.5 | ~ |
| 2000 | 39.1 | ~ |
| 2500 | 40.5 | ~ |
| 3150 | 43.5 | ~ |



Third Octave Band

Weighted Sound Reduction Index**R_w**
(C; Ctr) **37** (-0; -3) 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.