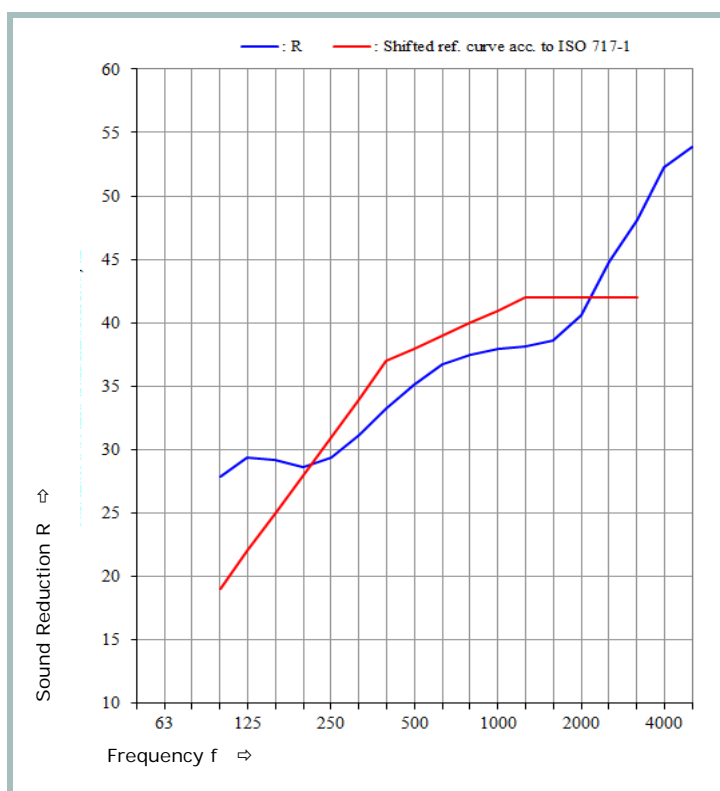


DATE: 07.02.14

*Performance Criteria:* **Sound Insulation***Applicable Standards:* BS EN ISO 10140-2: 2010; ISO 717-1:1996*System:* Revolution 54*Configuration:* **12.8mm Acoustic Laminate***Description:* Single glazed screen comprising multiple modules of 12.8mm acoustic laminated glass, installed into aluminium track sections with glass sealed into tracks with PVC gaskets and between panels with Optima Nebula™ dry-joints*Test Date:* 27.01.11*Test Report Number:* 33-159*Test Specimen Area:* 8.64m<sup>2</sup>*Test Data:*

| Frequency (Hz) | R (dB) screen | R (dB) door |
|----------------|---------------|-------------|
| 100            | 27.9          | ~           |
| 125            | 29.4          | ~           |
| 160            | 29.2          | ~           |
| 200            | 28.6          | ~           |
| 250            | 29.4          | ~           |
| 315            | 31.2          | ~           |
| 400            | 33.2          | ~           |
| 500            | 35.1          | ~           |
| 630            | 36.7          | ~           |
| 800            | 37.5          | ~           |
| 1000           | 38.0          | ~           |
| 1250           | 38.1          | ~           |
| 1600           | 38.6          | ~           |
| 2000           | 40.6          | ~           |
| 2500           | 44.8          | ~           |
| 3150           | 48.1          | ~           |



Third Octave Band

**Weighted Sound Reduction Index****R<sub>w</sub> (C; Ctr) 38 (-1; -3) 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.