

DATE: 19.05.15 (Revised 05.09.17)

*Performance Criteria:* **Sound Insulation**

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

*System:* Revolution 100

*Configuration:* **15mm Toughened**

*Description:* Single glazed screen comprising multiple modules of 15mm toughened glass, installed into aluminium track sections with glass sealed into tracks with PVC gaskets and between panels with Optima dry-joints.

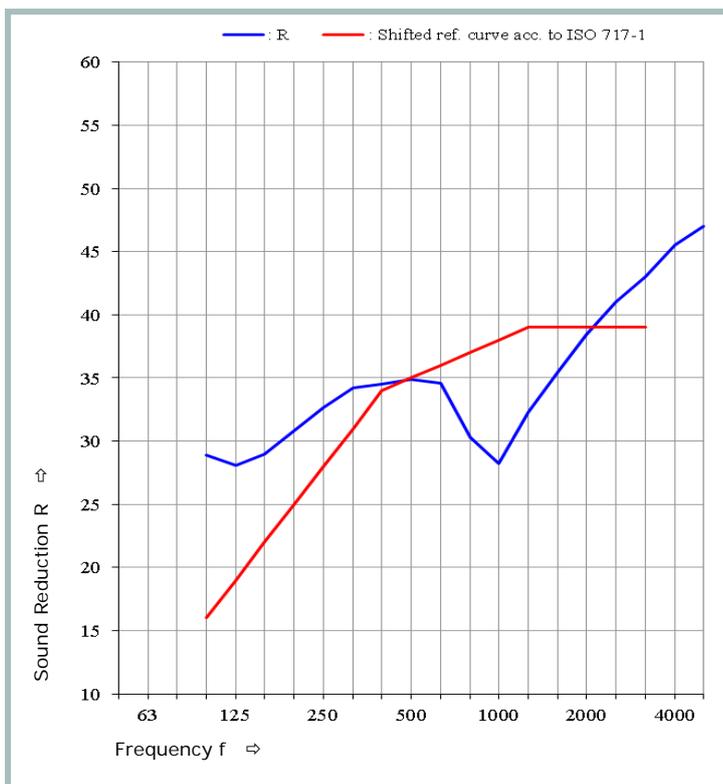
*Test Date:* 31 March 2015

*Test Report Number:* 2151-1860

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

*Test Data:*

| Frequency (Hz) | R (dB) screen | R (dB) door |
|----------------|---------------|-------------|
| 100            | 28.9          | ~           |
| 125            | 28.1          | ~           |
| 160            | 29.0          | ~           |
| 200            | 30.8          | ~           |
| 250            | 32.7          | ~           |
| 315            | 34.2          | ~           |
| 400            | 34.5          | ~           |
| 500            | 34.9          | ~           |
| 630            | 34.6          | ~           |
| 800            | 30.3          | ~           |
| 1000           | 28.2          | ~           |
| 1250           | 32.3          | ~           |
| 1600           | 35.5          | ~           |
| 2000           | 38.4          | ~           |
| 2500           | 41.0          | ~           |
| 3150           | 43.0          | ~           |



Third Octave Band

|                                       |   |
|---------------------------------------|---|
| <b>Weighted Sound Reduction Index</b> | <b>R<sub>w</sub> (C;Ctr) 35 (-2; -3) dB</b> |
|---------------------------------------|---|

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.