

# PERFORMANCE CERTIFICATE

DATE 13.06.2023

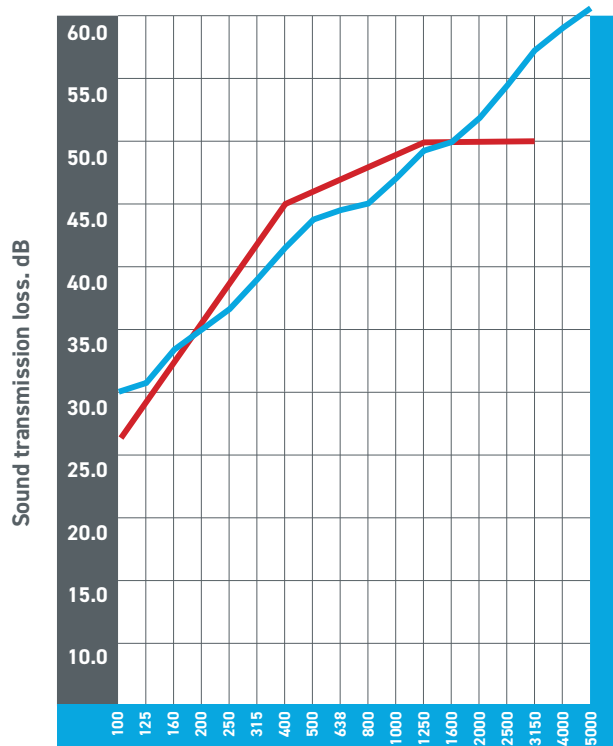


|                       |                                                                                                                                                                                                                                                                        |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Performance Criteria: | Sound Insulation                                                                                                                                                                                                                                                       |
| Applicable Standards: | BS EN ISO 10140-2: 2010; ISO 717-1:1996                                                                                                                                                                                                                                |
| System:               | i Wall 60 - Framed                                                                                                                                                                                                                                                     |
| Configuration:        | 12.8mm Acoustic Laminate + 12.8mm Acoustic Laminate                                                                                                                                                                                                                    |
| Description:          | Double glazed screen comprising multiple modules of 12.8mm acoustic laminate on one face and 12.8mm acoustic laminate on the other, installed into aluminium track sections with glass sealed into tracks with glazing gaskets and between panels with i Wall mullions |
| Assessment Date:      | 13/6/2023                                                                                                                                                                                                                                                              |
| Test Specimen Area:   | 5.56m <sup>2</sup>                                                                                                                                                                                                                                                     |

## Assessment Data

Sound Insulation Information: Glazing scheme: 12.8mm acoustic laminate/18mm cavity/12.8mm acoustic laminate

| Frequency (Hz) | SRI,dB | Octave band SRI |
|----------------|--------|-----------------|
| 100            | 30.0   |                 |
| 125            | 31.0   | 31              |
| 160            | 33.0   |                 |
| 200            | 35.0   |                 |
| 250            | 37.0   | 37              |
| 315            | 39.0   |                 |
| 400            | 41.0   |                 |
| 500            | 43.0   | 43              |
| 630            | 44.0   |                 |
| 800            | 45.0   |                 |
| 1000           | 47.0   | 48              |
| 1250           | 49.0   |                 |
| 1600           | 50.0   |                 |
| 2000           | 52.0   | 52              |
| 2500           | 54.0   |                 |
| 3150           | 57.0   |                 |
| 4000           | 59.0   | 59              |
| 5000           | 61.0   |                 |



Centre Frequency of third octave Band. Hz

SRI, dB  
SRI Contour  
Reference Standards:  
BS EN ISO 10140-2: 2010, ISO 717-1: 1996

Key Sound Insulation:  $RW_{(100-3150Hz)} = 44dB$ ;  $C = -1$ ;  $Ctr = -4$

Acoustic performance assessed by The Cliff Inman Consultancy, derived from data sourced from certified test-houses

## Octave Band

Weighted Sound Reduction Index

$R_w(C;Ctr)$  44 (-1;-4) dB

Issued By: Oliver Bond  
Position: Design Director

iWall 60

To validate this certified performance the system installation must be carried out in strict accordance with the details summarised in the iWall® Designer's Guide and Installer's Guide.