

PERFORMANCE CERTIFICATE

DATE 13.06.2023

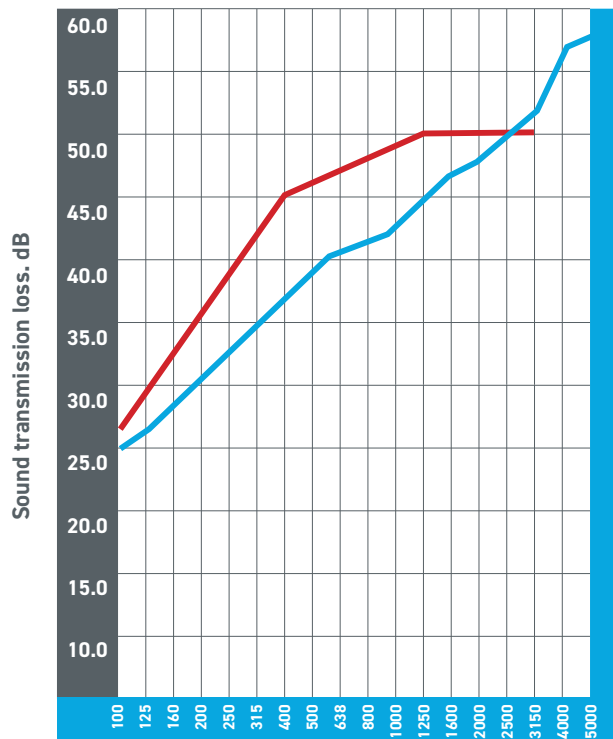


Performance Criteria:	Sound Insulation
Applicable Standards:	BS EN ISO 10140-2: 2010; ISO 717-1:1996
System:	i Wall 110 - Framed
Configuration:	12.8mm Acoustic Laminate + 12.8mm Acoustic Laminate
Description:	Double glazed screen comprising multiple modules of 12.8mm acoustic laminate on one face and 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 ²

Assessment Data

Sound Insulation Information: Glazing scheme: 12.8mm acoustic laminate/55mm cavity/12.8mm acoustic laminate

Frequency (Hz)	SRI,dB	Octave band SRI
100	25.0	
125	27.0	27
160	30.0	
200	31.0	
250	34.0	34
315	38.0	
400	41.0	
500	43.0	43
630	45.0	
800	47.0	
1000	49.0	49
1250	51.0	
1600	52.0	
2000	52.0	52
2500	52.0	
3150	52.0	
4000	52.0	52
5000	52.0	



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: $RW_{(100-3150Hz)} = 46dB$; $C = -1$; $Ctr = -4$

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

Octave Band

Weighted Sound Reduction Index

$Rw (C;Ctr) 46 (-1;-4) dB$

Issued By: Oliver Bond
Position: Design Director

iWall[®] 110

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.