

PERFORMANCE CERTIFICATE

DATE 13.06.2023

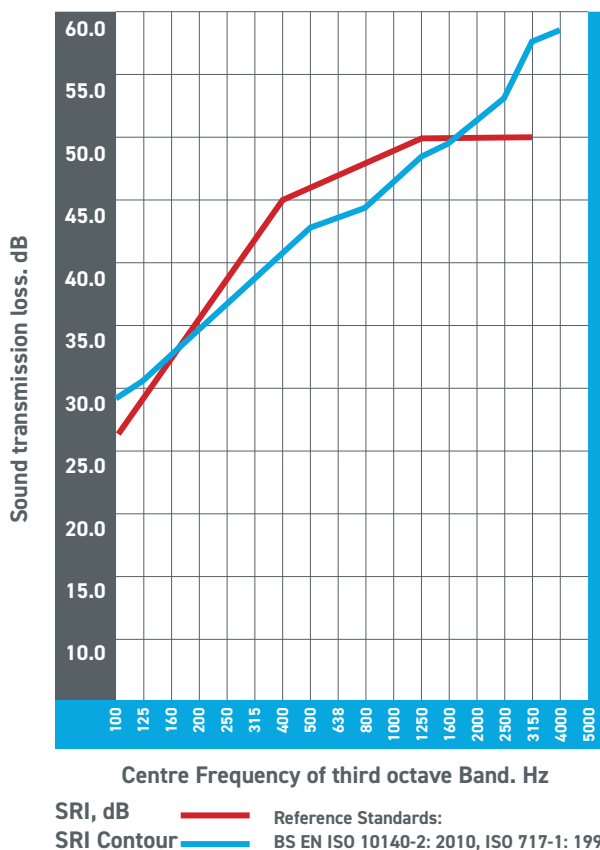


Performance Criteria:	Sound Insulation
Applicable Standards:	BS EN ISO 10140-2: 2010; ISO 717-1:1996
System:	i Wall 110 - Frameless
Configuration:	12.8mm Acoustic Laminate + 12.8mm Acoustic Laminate
Description:	Double glazed screen comprising multiple modules of 12.8mm acoustic laminate on one face 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 clear dry joints.
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	29.0	
125	32.0	31
160	34.0	
200	36.0	
250	39.0	38
315	41.0	
400	45.0	
500	48.0	47
630	49.0	
800	49.0	
1000	50.0	50
1250	50.0	
1600	51.0	
2000	53.0	53
2500	54.0	
3150	54.0	
4000	55.0	55
5000	58.0	



Key Sound Insulation: $RW_{(100-3150\text{Hz})} = 49\text{dB}$; $C = -1$; $C_{tr} = -4$

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

Octave Band

Weighted Sound Reduction Index

$R_w(C;C_{tr})$ 49 (-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.