

SOUND REDUCTION INDEX OPERABLE WALL SYSTEM - 110 mm THICK

MEASUREMENTS

Sound Reduction Index (R) measurements were conducted at the AIRO Acoustics Laboratory in accordance with BS 2750:Part 3:1980 and BS 5821:Part 1:1984, using a purpose built sound transmission suite. The test was performed on 30 October 1995. AIRO is accredited as a NAMAS TESTING Laboratory No. 0483.

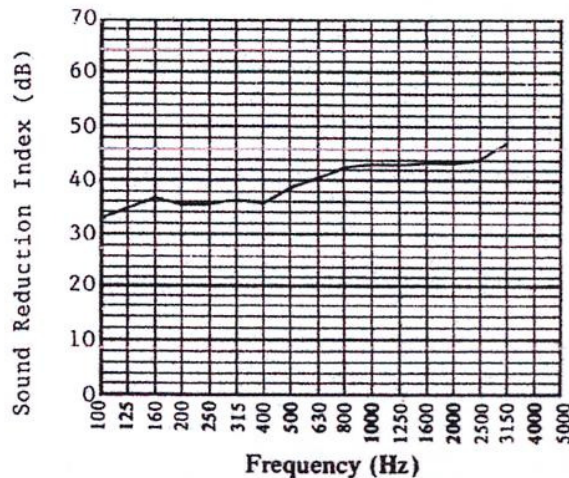
DESCRIPTION

The specimen comprised a 110 mm thick Operable Wall System which filled a 2870 mm wide x 2825 mm high test aperture. The system comprised an aluminium head track, boxed-in with 15 mm MDF, which supported 3 no movable door panels on a trolley system. Each panel consisted of an aluminium framework which supported 15 mm high density melamine faced chipboard and insulated with 20 kg/m³ fibreglass. The panels interlocked with each other and were jacked with a top and bottom expander. The system included door jambs at either end.

Estimated mass of the Operable Wall = 45 kg/m²
Tested for and sample supplied by : Duvale Plc

RESULTS

Frequency Hz	R dB	Frequency Hz	R dB
100	32.7	630	40.1
125	34.4	800	42.1
160	36.7	1000	43.2
200	35.5	1250	43.0
250	35.3	1600	43.8
315	36.2	2000	43.4
400	35.8	2500	44.0
500	38.5	3150	46.9



The Weighted Sound Reduction Index, $R_w = 42$ dB (BS 5821:Part 1:1984)

This Test Certificate summarises Report No L/2401/1 dated 21 November 1995

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