

SOUND REDUCTION INDEX OF A

Duvale Plc 110 FOLDING WALL PARTITION

1. MEASUREMENTS

Sound Reduction Index (SRI) 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 15 December 1988. AIRO is accredited as a NAMAS TESTING Laboratory No 0483.

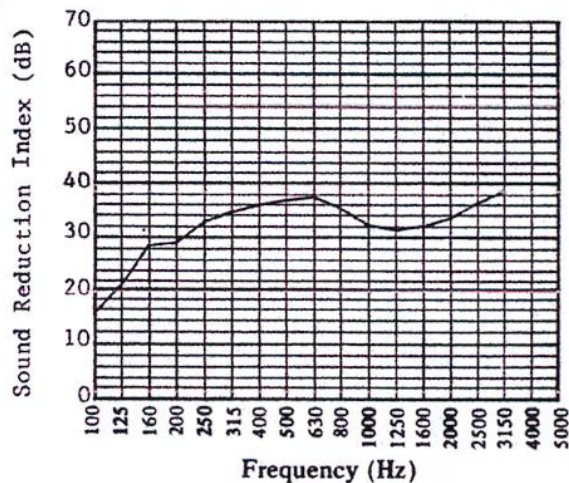
2. DESCRIPTION

The test specimen fill a 2920 mm wide x 2855 mm high test aperture and consisted of a movable partition supported from an overhead track. The partition consisted of two panels each 1373 mm wide x 2765 mm high x 110 mm deep and were formed from 16 mm Medium Density Fibreboard mounted onto a boxed steel framework. The cavity included 50 mm Rockwool RW3. Adjacent panels were linked using profiled interlocking aluminium sections. The partition was sealed using a telescopic abutment section and expanding top and bottom seals which closed onto a carpet at floor level.

Estimated mass of the partition = 24 kg/m²
 Sample supplied by : Duvale Plc

3. RESULTS

Frequency Hz	SRI dB	Frequency Hz	SRI dB
100	15.8	630	37.5
125	20.8	800	35.4
160	28.4	1000	32.3
200	28.9	1250	31.4
250	32.9	1600	32.1
315	34.5	2000	33.6
400	36.0	2500	36.5
500	36.8	3150	38.8



The Weighted Sound Reduction Index, $R_w = 35$ dB (BS 5821:Part 1:1984)

Certificate No L/1973 summarises Test Report No L/1973 dated 30 December 1988.

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