

SOUND REDUCTION INDEX
140 mm STRANLITE PAINT GRADE BLOCKWORK WALL - FAIR-FACED

MEASUREMENTS

Sound Reduction Index (R) measurements were conducted at the AIRO Acoustics Laboratory in accordance with BS EN ISO 140-3:1995 and BS EN ISO 717-1:1997, using a purpose built sound transmission suite. AIRO is a UKAS accredited testing laboratory No. 0483. The test was performed on 23 February 2004.

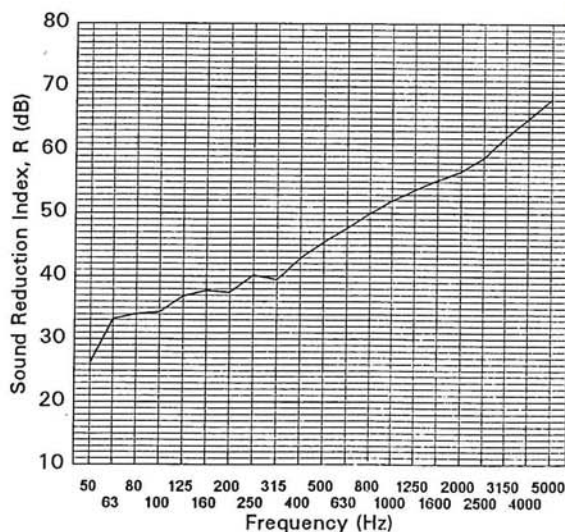
DESCRIPTION

The specimen filled a 2920 mm wide x 3005 mm high test aperture and comprised a single leaf blockwork wall constructed from 140 mm thick Stranlite Paint Grade blocks (density 1375 to 1400 kg/m³ at 3% moisture). The blocks, with 440 mm x 215 mm face dimensions, were laid in stretcher bond using a nominal 5:1 sand cement mortar. The estimated mass of the blockwork wall is 200 kg/m².

Tested for and supplied by : Plasmor Limited

RESULTS

Frequency Hz	R dB	Frequency Hz	R dB
50	26.3	630	47.7
63	33.3	800	50.0
80	34.1	1000	52.1
100	34.4	1250	53.8
125	36.9	1600	55.3
160	37.8	2000	56.7
200	37.5	2500	58.9
250	40.2	3150	62.1
315	39.2	4000	65.1
400	42.9	5000	68.2
500	45.5		



Rating according to BS EN ISO 717-1:1997 $R_w (C;C_{tr}) = 50 (-1;-5)$ dB

This Test Certificate summarises Report No. L/2916/1 dated 27 February 2004

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