

SOUND REDUCTION INDEX
REHAU S706 WINDOW UNIT with 4/20/4 GLASS

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 3 March 2003.

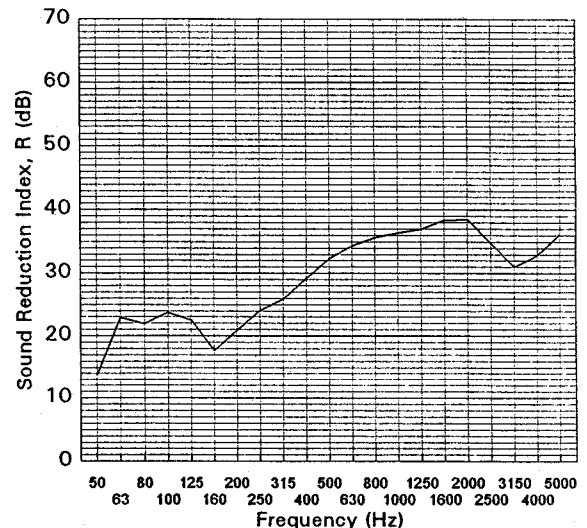
DESCRIPTION

The specimen comprised a 2400 mm wide x 1600 mm high x 70 mm deep Rehau S706 PVC framed window unit. The unit included 2 no side-hung open-out sashes, and 1 no top-hung open-out vent all supported on friction stays and closing on a pair of bulb seals via multi-point locks. The unit also included 3 no fixed lights. The window unit was glazed throughout with 4/20/4 sealed units. The window unit was mounted in a 2410 mm x 1610 mm test aperture using straps and sealed with silicone over a backing rod. The estimated mass of the glazing is 20 kg/m².

Tested for and supplied by : Rehau Limited

RESULTS

Frequency Hz	R dB	Frequency Hz	R dB
50	13.8	630	34.4
63	22.9	800	35.7
80	21.9	1000	36.4
100	23.7	1250	37.0
125	22.5	1600	38.4
160	17.7	2000	38.5
200	20.9	2500	34.8
250	24.1	3150	31.0
315	25.9	4000	32.8
400	29.2	5000	36.2
500	32.4		



Rating according to BS EN ISO 717-1:1997 $R_w (C;C_v) = 34 (-2;-4)$ dB

This Test Certificate summarises Report No. L/2865/1 dated 10 March 2003

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