

### STANDARDIZED LEVEL DIFFERENCE - DnT

Original data rated using BS EN ISO 717-1:1997 to obtain spectrum adaptation terms C and Ctr

This test certificate presents the results of an on-site measurement carried out at 81/83 Oxford Hill, Witney, Oxon, OX8 6JU to determine the Standardized Level Difference, DnT, between adjoining living rooms. AIRO is a UKAS accredited testing laboratory No 0483.

The dwellings tested were two storey with pitched tiled roofs. The separating wall consisted of a 4" solid brick wall interlaced with horizontal timbers with a sand/cement render finished with a plaster skim coat in No 83 and in No 81 one 20mm layer of Acoustical M20AD Granulated Rubber was bonded to the wall and faced with two layers of 12.5mm plasterboard each bonded together and finished with a plaster skim coat. The common separating wall area was 5.6m<sup>2</sup> and the receiving room volume 25.9m<sup>3</sup>.

The estimated mass of the separating wall is 225kg/m<sup>2</sup>.

For full details reference should be made to the original test report.

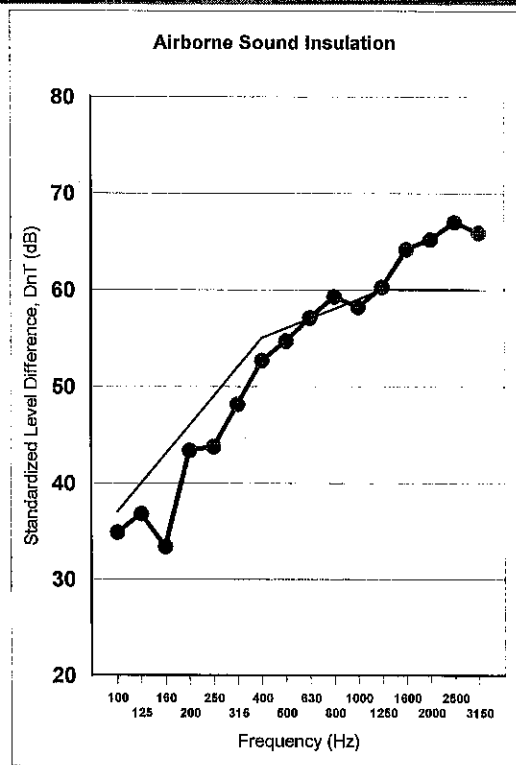
Frequency Hz	DnT dB	Frequency Hz	DnT dB
50	XX	630	57.1
63	XX	800	59.3
80	XX	1000	58.2
100	34.9	1250	60.3
125	36.8	1600	64.2
160	33.4	2000	65.2
200	43.4	2500	67.0
250	43.8	3150	65.9
315	48.2	4000	XX
400	52.7	5000	XX
500	54.7		

DnT,w	56	C	-3
DnT,w+Ctr	48	Ctr	-8

Rating according to BS EN ISO 717-1:1997  
**DnT,w (C;Ctr) = 56 (-3;-8) dB**



A J Jones BSc PhD CPhys MInstP FIOA  
Managing Director



Client: Sound Service (Oxford) Limited  
 Standard: BS 2750:Part 4:1980  
 Report No: PG/R4028  
 Dated: 2 June 1999  
 Test No: 1

AIRO Ref 4028-V1.1

## ACOUSTICAL INVESTIGATION & RESEARCH ORGANISATION LTD

Duxons Turn  
 Maylands Avenue  
 Hemel Hempstead  
 Hertfordshire  
 HP2 4SB  
 Telephone: 01442 247146

