

**Standardized Level Difference according to ISO 140-4**  
**Field measurements of airborne sound insulation between rooms**

Client: Alex Osbourne

Date of test: 14/02/2007

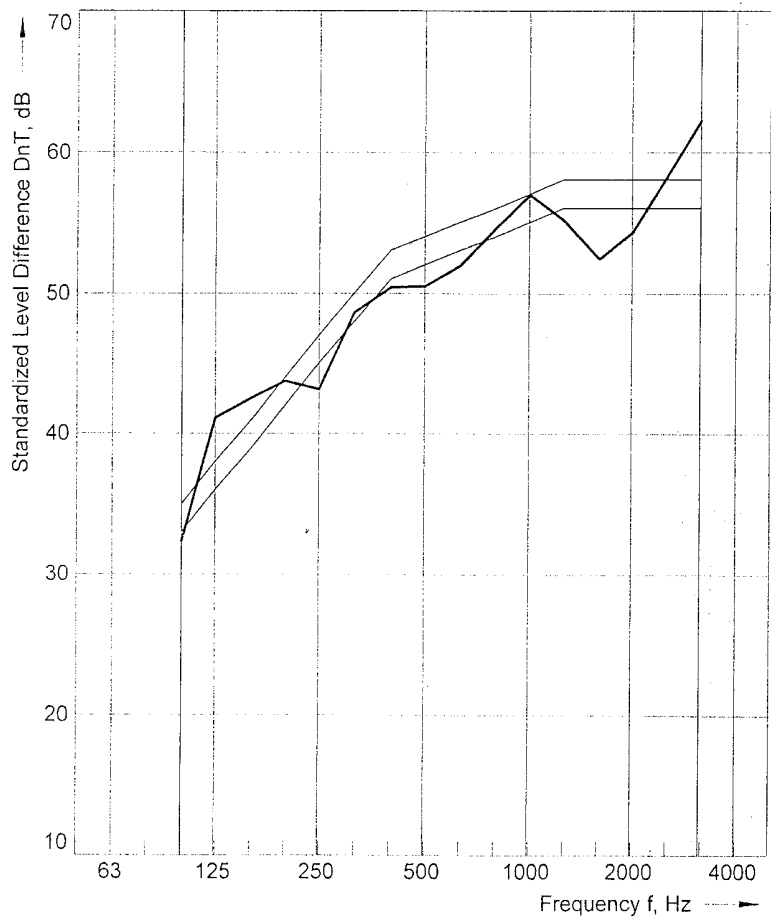
Description and identification of the building construction and test arrangement, direction of measurement:

The floor construction tested was based around the original floorboards and joists. 100mm thick sound slab insulation was placed between the joists. A floating floor and a ceiling of two layers of plasterboard suspended from resilient bars have been added.

Source room volume: 61.00 m<sup>3</sup>  
Receiving room volume: 41.00 m<sup>3</sup>

— Frequency range according to the curve of reference values (ISO 717-1)

Frequency f Hz	DnT 1/3 Octave dB
50	
63	
80	
100	32.3
125	41.1
160	42.5
200	43.7
250	43.1
315	48.6
400	50.4
500	50.5
630	51.9
800	54.6
1000	56.9
1250	55.2
1600	52.4
2000	54.3
2500	58.1
3150	62.2
4000	
5000	



Rating according to ISO 717-1

$$D_{nT,w}(C;C_{tr}) = 54 (-2; -6) \text{ dB}$$

Evaluation based on field measurement results obtained in one-third-octave bands by an engineering method

No. of test report: BS4187-0001

Name of test institute: Building Sciences Ltd

Date: 14/02/2007

Signature: 