

ACOUSTIC SOLUTIONS

Consultant in Noise and Vibration

20 Netherhall Road, Baildon, West Yorkshire, BD17 6QD.

Calculation of Standardised Level Difference

Field Measurements of airborne Insulation between Rooms

Test Report No: AS25-12 T1AIR **Test Date:** 31 January 2025.

Client: Yorkshire Education Society

Address: 1039 Leeds Road, Dewsbury, West Yorkshire WF12 7HY

Details: Ceiling at Ex-Babes In The Wood Public House, Soothill Lane, Batley WF17 6ES

Source Room: Ground floor meeting room

Receiver Room: First floor living room

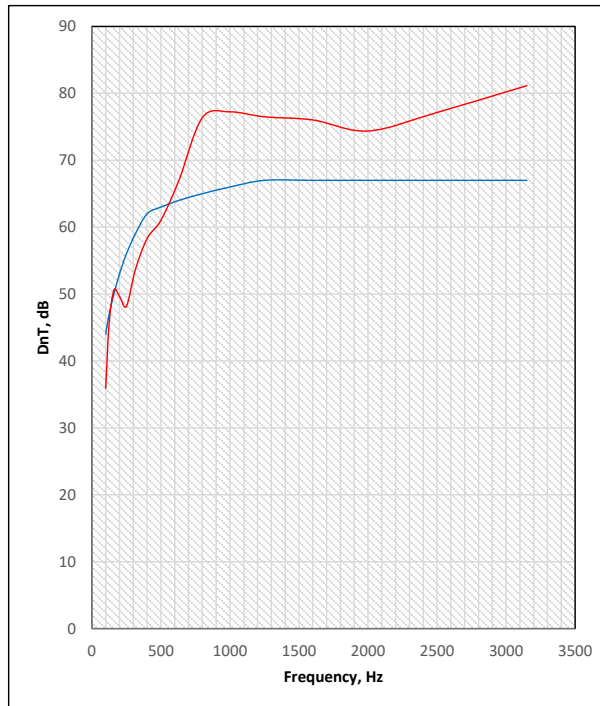
Ceiling Construction (nominal)

22mm acoustic flooring, existing floorboards, 1x 12.5 soundboard, 1x 12.5 fireboard. 22mm tongue & groove floorboards, existing timber joists. Suspended ceiling: 15mm gypsum plank soundboard, 12.5mm plasterboard, 100mm Isowool APR 1200, 5mm skim.

Source Vol: 426.25
Rec Vol: 75

Hz	DnT (dB)
50	
63	
80	
100	35.91512108
125	45.63353492
160	50.63163389
200	49.67746477
250	48.16093818
315	53.64528278
400	58.30821857
500	61.03122029
630	66.97930437
800	76.36446639
1000	77.23429686
1250	76.49052517
1600	76.02582778
2000	74.3728389
2500	77.144702
3150	81.15096401
4000	
5000	

Shifted Reference Curve / Measured DnT



Rating According to ISO 717-1

DnT,w + Ctr = 60.695511 (DnT,w: C, Ctr) = 63 -21.6332286 -2.304489

Evaluation based on field measurement results obtained by an engineering method

Test Report No: AS25-12 T1AIR **Test Institute:** Acoustic Solutions

Report Date: 3 February 2025.