

ACOUSTIC SOLUTIONS

Consultant in Noise and Vibration

20 Netherhall Road, Baildon, West Yorkshire, BD17 6QD. Telephone: 01274 580796/07786 028451

Email: acousticsolutions@email.com

Calculation of Standardised Level Difference

Field Measurements of Impact Insulation between Rooms

Test Report No: AS25-100 T2IMP **Test Date:** 10 December 2025.

Client: Citadel Investment Group Limited

Address: 185 Mauldeth Road, Burnage, Manchester M19 1BA

Details: Ceiling at 185 Mauldeth Road, Burnage, Manchester M19 1BA

Source Room: First floor, Flat 1, bedroom

Receiving Room: Ground floor commercial

Ceiling Construction (Nominal):

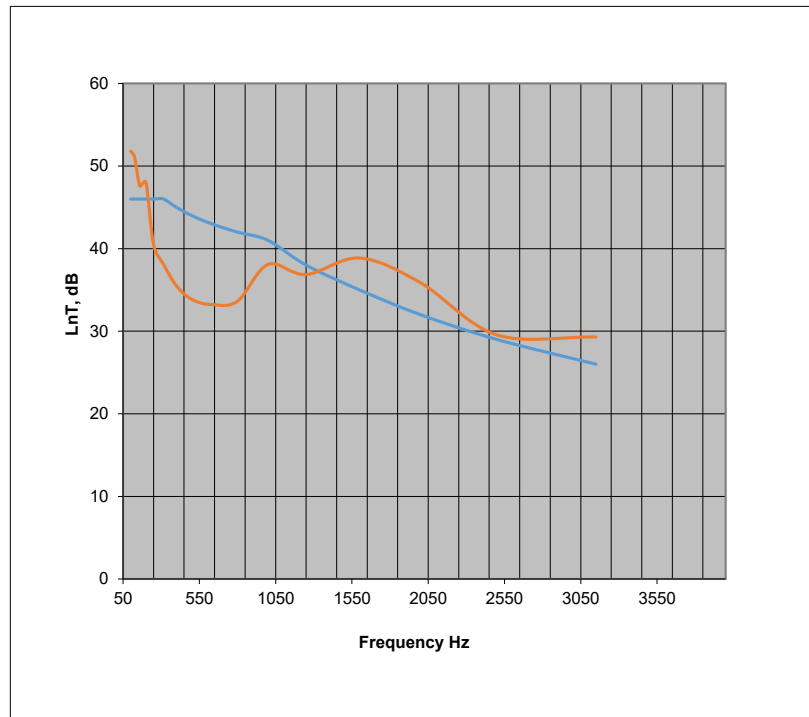
Layer of 12.5mm fireline plaster board onto existing ceiling. Wooden frame suspended with acoustic bars and filled with acoustic slab insulation further covered with another layer 12.5mm fireline plaster board.

Source Vol: 24.57

Shifted Reference Curve / Measured DnT

Rec Vol: 97.2

Hz	LnT (dB)
50	
63	
80	
100	60.6837892
125	61.3834668
160	65.3084956
200	71.2913021
250	73.6215177
0	70.1143079
400	63.7090098
500	58.3037476
630	53.7684898
800	50.4529626
1000	48.9555221
1250	47.4770459
1600	45.9306656
2000	42.4693645
2500	39.993577
3150	35.5829896
4000	
5000	



Rating According to ISO 717-1

LnT,w + CI 62.50296 (**LnT,w: CI**) = 61 1.50295766

Evaluation based on field measurement results obtained by an engineering method

Test Report No: AS25-100 T2IMP **Test Institute:** Acoustic Solutions

Report Date: 15 December 2025.

Signature: