

ACOUSTIC SOLUTIONS

Consultant in Noise and Vibration

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Calculation of Standardised Level Difference

Field Measurements of Impact Insulation between Rooms

Test Report No: AS23-40 T3.CEILING.IMPACT **Test Date:** 6 July 2023.

Client: Universal Propertiesd (Yorkshire) Limited

Address: 1 Park Drive, Bradford, West Yorkshire BD9 4DP

Details: Ceiling at Former Legends Bar, 315 Bradford Road, Batley, West Yorkshire WF17 6HY

Source Room: First floor flat 1

Receiving Room: Ground floor commercial space

Ceiling Construction (Nominal):

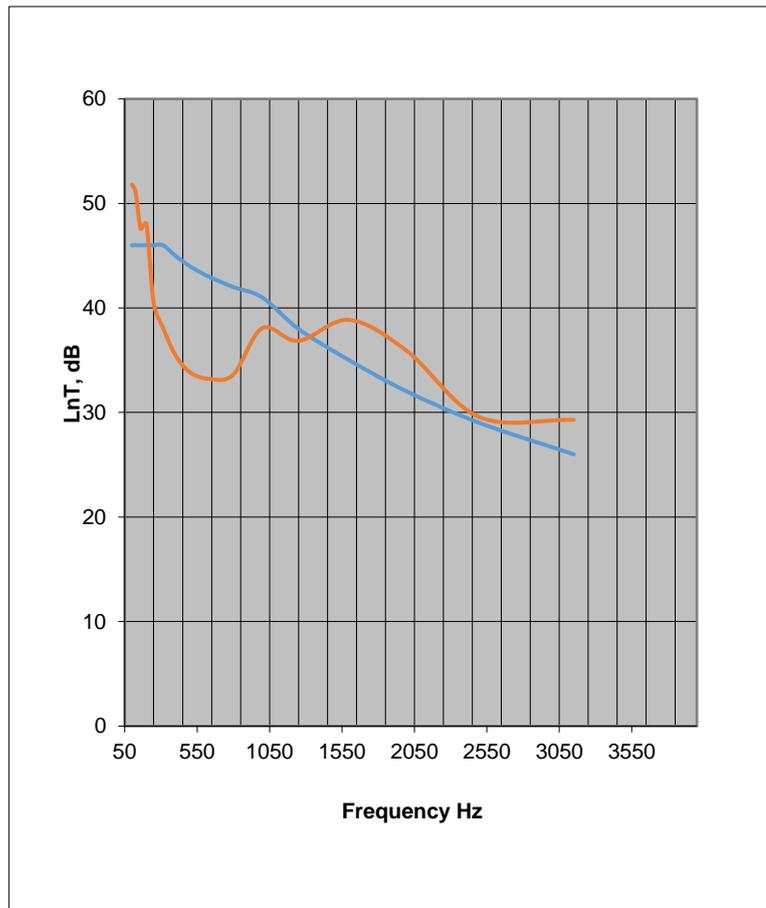
22mm acoustic flooring, existing floorboards, 1x 12.5 soundboard, 1x 12.5 fireboard. Skim. 22mm tongue & groove floorboards, existing timber joists. Suspended ceiling: 15mm gypsum plank soundboard, 12.5mm plasterboard, 100mm Isowool APR 1200, 5mm skim.

Source Vol: 43.2

Shifted Reference Curve / Measured DnT

Rec Vol: 415.8

Hz	LnT (dB)
50	
63	
80	
100	45.9536829
125	46.5252691
160	54.3108555
200	55.1444568
250	62.0964774
0	62.75394
400	65.4145527
500	59.1098294
630	55.3716539
800	54.7901851
1000	53.0457028
1250	53.9120027
1600	54.935801
2000	55.8374902
2500	55.5944595
3150	55.4093753
4000	
5000	



Rating According to ISO 717-1

LnT,w + CI 63.59423 (LnT,w: CI) = 62 1.594231

Evaluation based on field measurement results obtained by an engineering method

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Report Date: 10 July 2023.

Signature: