

# Standardized impact sound pressure levels according to ISO/DIS 16283-2

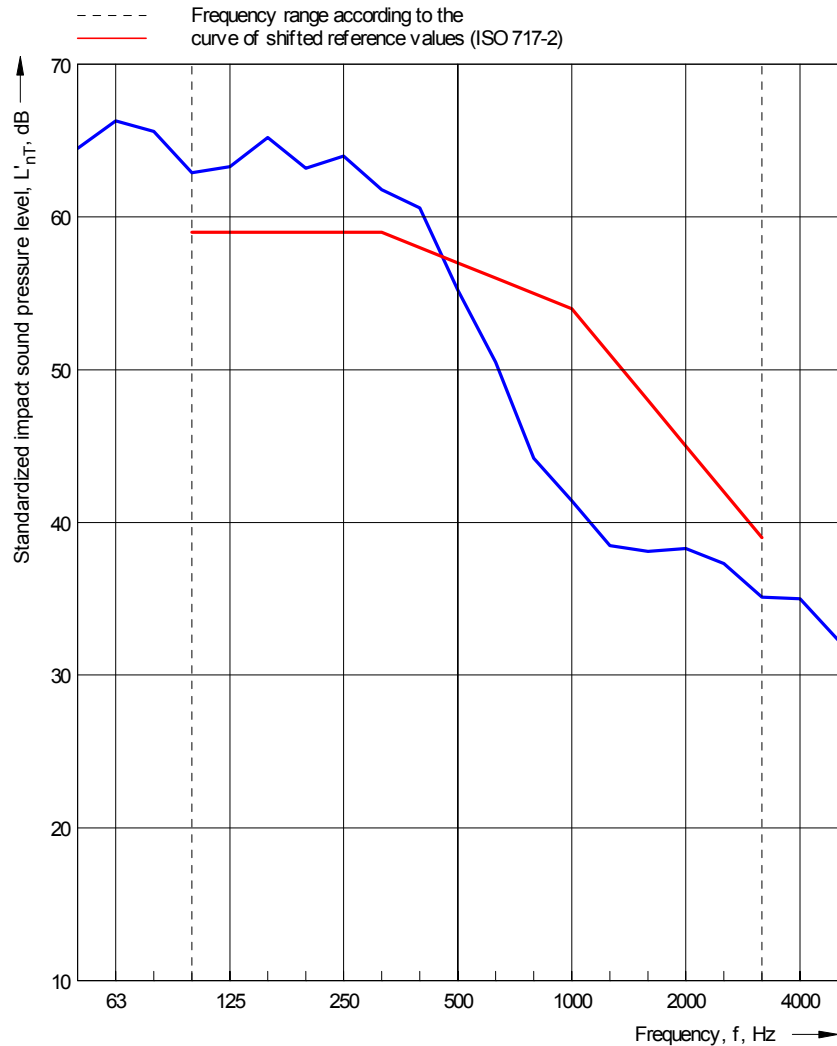
Field measurements of impact sound insulation of floors

Client: Prästängan AB Date of test: 2018-10-25  
 Description: 14 Parquet floor + foam on Subfloor with 2 extra layers 13 mm floor gypsum boards. 200 mm air gap with insulation, acoustic feet. Load-bearing floor construction of 150 mm CLT.

Object: Measured from floor 2 -> floor 1

Source room volume: 50 m<sup>3</sup>  
 Receiving room volume: 50,0 m<sup>3</sup>

Frequency f [Hz]	L' <sub>nT</sub> 1/3 octave [dB]
50	64,5
63	66,3
80	65,6
100	62,9
125	63,3
160	65,2
200	63,2
250	64,0
315	61,8
400	60,6
500	55,2
630	50,5
800	44,2
1 000	41,4
1 250	38,5
1 600	38,1
2 000	38,3
2 500	37,3
3 150	35,1
4 000	35,0
5 000	32,3



Rating according to ISO 717-2  
 $L'_{nT,w}(C_1) = 57 (0) \text{ dB}$   
 Evaluation based on field measurement results obtained in one-third-octave bands by an engineering method.  
 $C_{1,50-2500} = 2 \text{ dB}$

Akustikverkstan AB  
 No. of test report: 19-217-M1

Date: 2019-05-02 Signature: Pontus Thorsson