

Standardized level difference according to ISO 140-4

Field measurements of airborne sound insulation between rooms

Date of test: 2022-06-24

Task: **Acoustic insulation**

Object: **Keoda: Speak, Studio, Studio-Plus**

Client: **Keoda**

Description and identification of the building structure and tested layout of rooms, measurement direction:

Measurement from inside to outside. Measurements were conducted in Keoda production hall, located in Nadarzyn, Pruszkowska 32F street in Poland. Results only refer to the cabin Keoda Studio in a single variant.

Tested element area:

16,8 m²

Notes:

Receiving room volume:

1538,0 m³

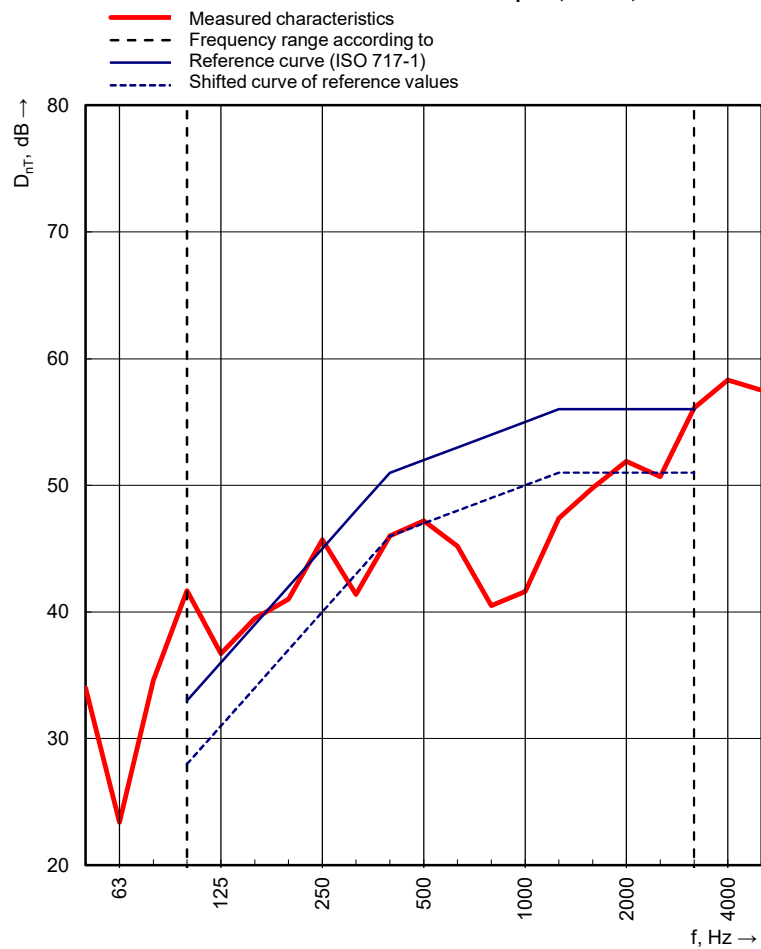
Name: **Keoda production hall**

Source room volume:

4.3 m³

Name: **Keoda: Speak, Studio, Studio-Plus**

Frequency <i>f</i> Hz	<i>D</i> _{nT} (1/3 octave) dB
50	34,0
63	23,4
80	34,6
100	41,7
125	36,7
160	39,5
200	41,0
250	45,7
315	41,4
400	46,0
500	47,2
630	45,2
800	40,5
1000	41,6
1250	47,4
1600	49,8
2000	51,9
2500	50,7
3150	56,1
4000	58,3
5000	57,5



Rating in accordance with ISO 717-1:

*D*_{nT,w}(*C*; *C*_{tr}) = **47 (-1 ; -3) dB** *C*₅₀₋₃₁₅₀ = -2 dB *C*₅₀₋₅₀₀₀ = -1 dB *C*₁₀₀₋₅₀₀₀ = 0 dB
*C*_{tr,50-3150} = -5 dB *C*_{tr,50-5000} = -5 dB *C*_{tr,100-5000} = -3 dB

Evaluation based on field measurement using results obtained by an engineering method.

No. of test report: **4**

Name of test institute:

Date: **2022-06-24**

Signature: *inż. B Czupak*