

Impact sound reduction according to ISO 140-8

Measurement of the impact sound reduction through a ceiling pad on a solid reference ceiling in test stands

On behalf of: **EGETÆPPER A/S, INDUSTRIVEJ NORD 25, DK-7400 HERNING**

Object:

Eco Profile WT

Assembly:

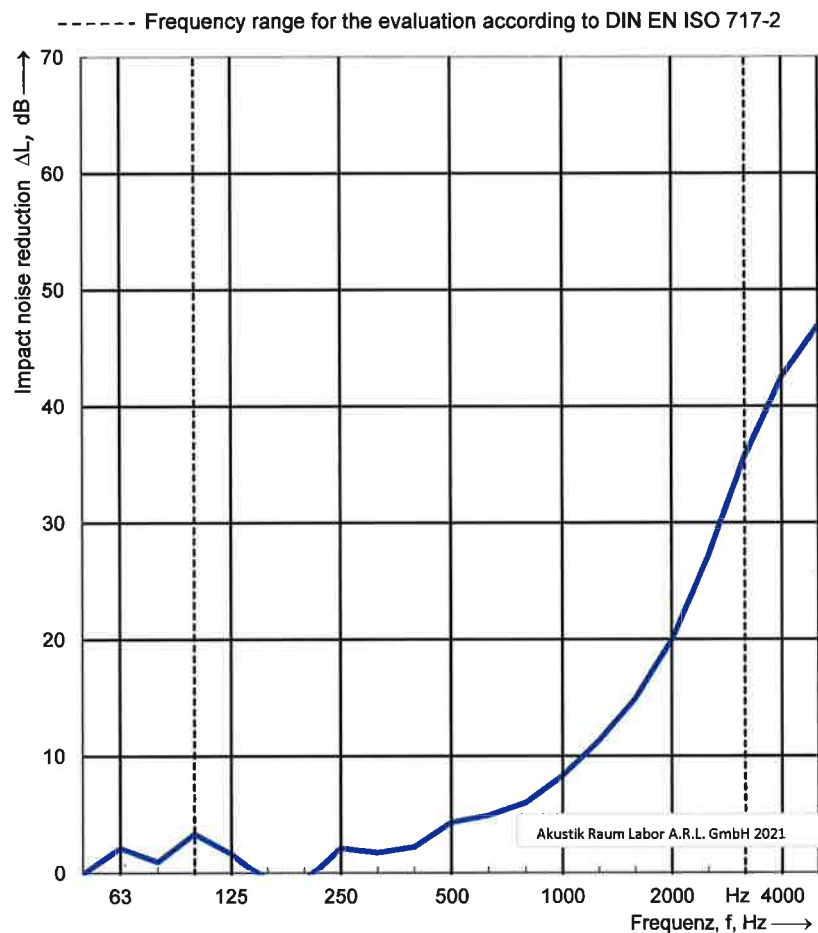
Item: 2305125
Batchno.: TH12447-0001
Dyelot: 101205
Dim.: 4000/3000/3.5mm



Volume of the receiving room: 53,3 m³
Test stand: HfT Stuttgart
Day of measurement: 30.06.2021

Temperature: 24,9 °C
Humidity: 42,3 %
Air pressure: 958 hPa

Frequency f [Hz]	L _{n,0} Third [dB]	ΔL Third [dB]
50	65,2	-0,1
63	56,4	2,1
80	56,8	0,9
100	62,8	3,3
125	69,1	1,6
160	70,3	-0,6
200	69,1	-0,7
250	68,5	2,1
315	69,6	1,7
400	69,8	2,2
500	70,7	4,3
630	71,1	4,9
800	71,9	6
1000	72,8	8,3
1250	74,8	11,3
1600	75,6	14,9
2000	74,4	19,9
2500	73,0	27,1
3150	73,3	35,7
4000	72,2	42,5
5000	69,9	46,9



Parameters according DIN EN ISO 717-2:

$\Delta L_w = 14$ dB

$C_{i,\Delta} = -9$ dB

$C_{i,r} = -2$ dB

The measurement results are based on tests carried out with an artificial sound source.

Measurements in third octave band width.

Akustik Raum Labor

Report-No.: ARL202106250

Test-No.: T1019

Wächtersbach,

20.09.2021

Signature:

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