

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 ECT350

Assembly:

Design: 060317548
Batchno.: H207387006
Dyelot: 134971
Dim.: 3846/2884/4.9mm

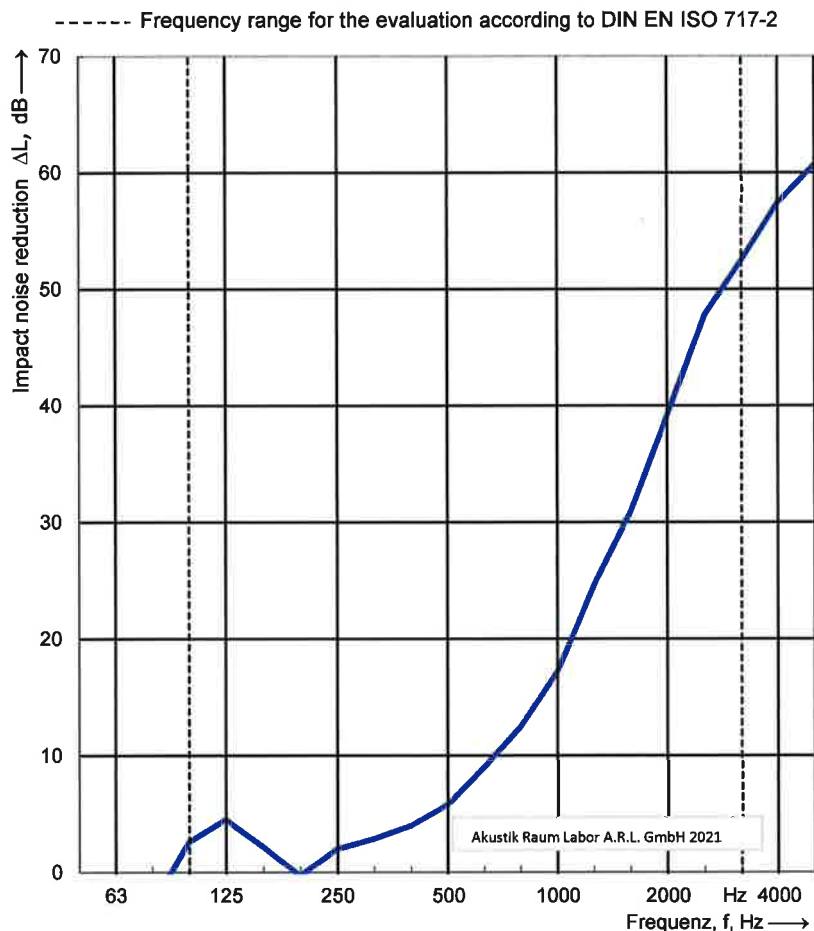


Volume of the receiving room: 53,3 m³
Test stand: HfT Stuttgart
Day of measurement: 30.06.2021

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	-1,4
63	56,4	-0,5
80	56,8	-2,8
100	62,8	2,6
125	69,1	4,5
160	70,3	2,2
200	69,1	-0,3
250	68,5	2
315	69,6	2,9
400	69,8	4
500	70,7	5,8
630	71,1	9
800	71,9	12,5
1000	72,8	17,2
1250	74,8	24,6
1600	75,6	30,9
2000	74,4	39,2
2500	73,0	47,8
3150	73,3	52,5
4000	72,2	57,4
5000	69,9	<60,7

Measurement limit



Parameters according DIN EN ISO 717-2:

$\Delta L_w = 17$ dB

$C_{i,\Delta} = -10$ dB

$C_{i,r} = -1$ 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.: T1052

Wächtersbach,

20.09.2021

Signature:

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