

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

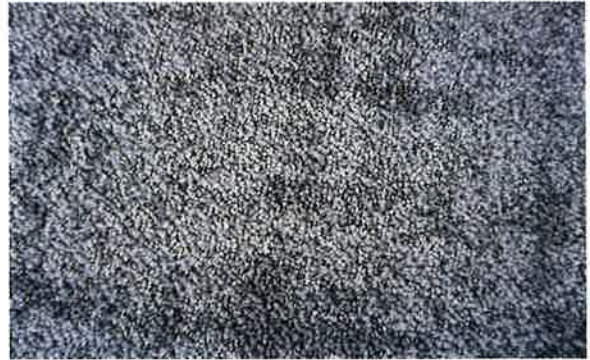
On behalf of: **EGETÆPPER A/S, INDUSTRIVEJ NORD 25, DK-7400 HERNING**

Object:

Calico ECT350

Assembly:

Design: 1509548
Batchno.: H015816002-1
Dyelot: 7877
Dim.: 3846/2884/8.0mm

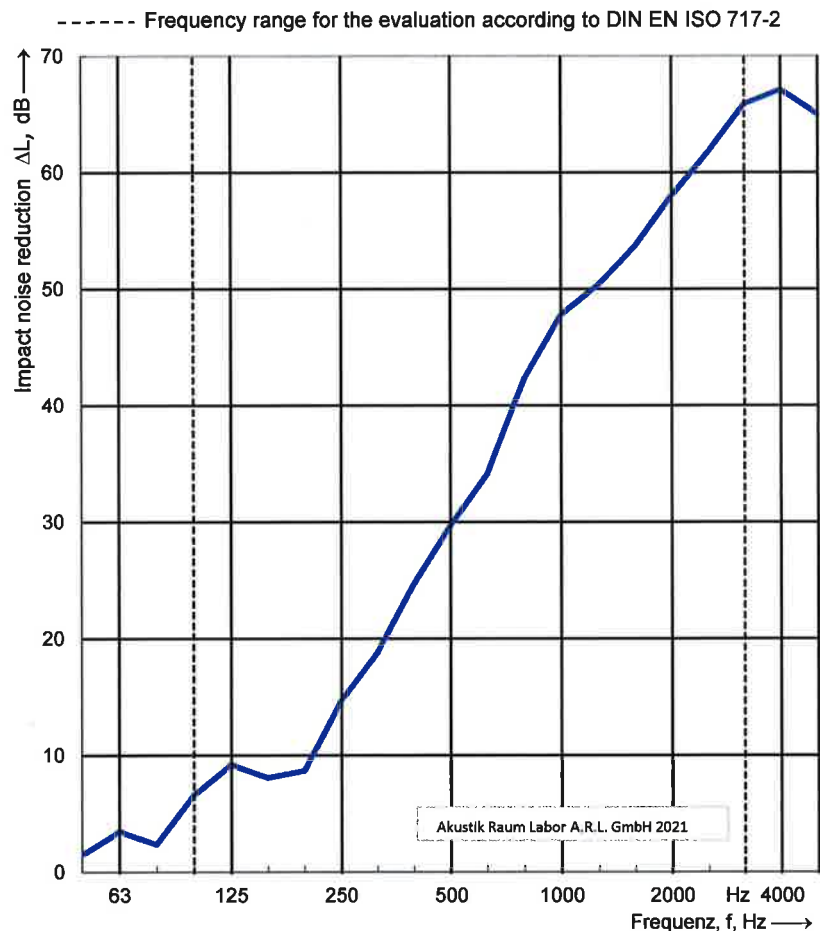


Volume of the receiving room: 53,3 m³
Test stand: HfT Stuttgart
Day of measurement: 30.06.2021

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

Frequency f [Hz]	L _{n,o} Third [dB]	ΔL Third [dB]
50	65,2	1,5
63	56,4	3,5
80	56,8	2,4
100	62,8	6,6
125	69,1	9,2
160	70,3	8,1
200	69,1	8,7
250	68,5	14,7
315	69,6	18,8
400	69,8	24,7
500	70,7	29,7
630	71,1	34,1
800	71,9	42,3
1000	72,8	47,8
1250	74,8	50,4
1600	75,6	53,7
2000	74,4	58
2500	73,0	61,8
3150	73,3	<65,9
4000	72,2	<67,1
5000	69,9	<65

Measurement limit



Parameters according DIN EN ISO 717-2:

$\Delta L_w = 27$ dB

$C_{1,\Delta} = -11$ dB

$C_{1,r} = 0$ 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.: T1048

Wächtersbach,

20.09.2021

Signature:

Akustik Raum Labor A.R.L. GmbH
Industriestr. 38
63607 Wächtersbach

+49 (0) 6053 62067 0

+49 (0) 6053 62067 26

info@akustik-raum-labor.de