

## 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:

TUFT 650 ECT350

### Assembly:

Design: 079701148  
Batchno.: H019832005  
Dyelot: 9911  
Dim.: 3846/2884/7.4mm

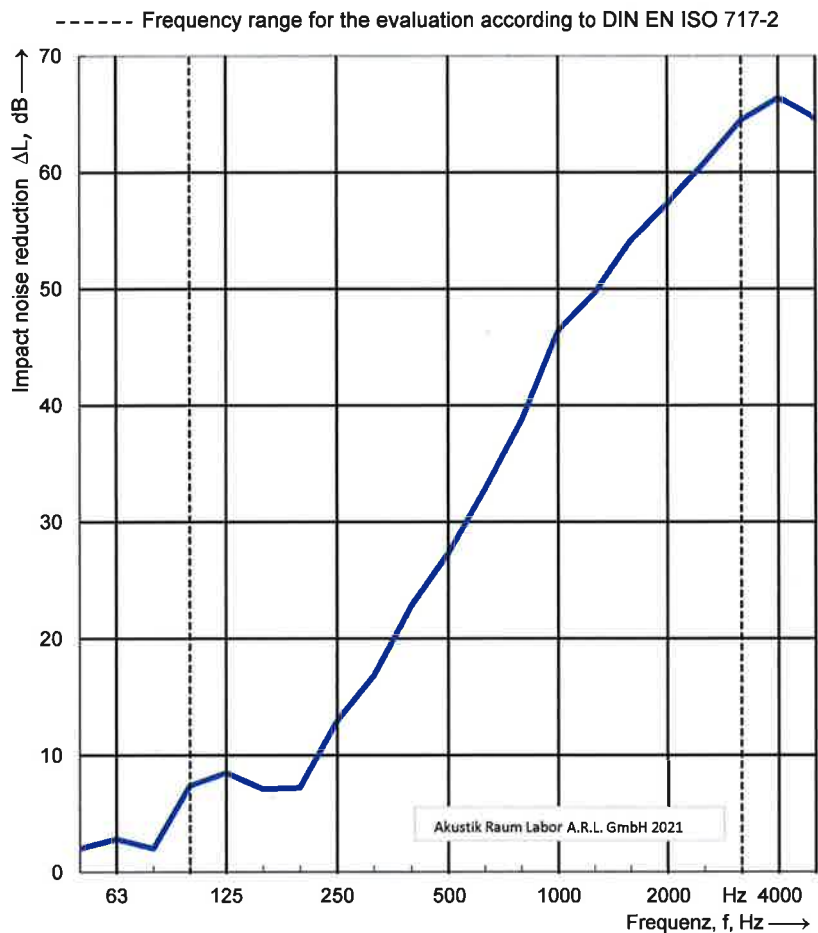


Volume of the receiving room: 53,3 m<sup>3</sup>  
Test stand: HfT Stuttgart  
Day of measurement: 28.06.2021

Temperature: 25,5 °C  
Humidity: 48,6 %  
Air pressure: 964 hPa

Frequency f [Hz]	L <sub>n,0</sub> Third [dB]	ΔL Third [dB]
50	64,7	2
63	55,8	2,8
80	57,7	2
100	61,6	7,4
125	68,9	8,5
160	72,0	7,1
200	71,0	7,2
250	67,9	12,9
315	69,4	16,8
400	70,1	22,8
500	70,3	27,3
630	70,4	32,8
800	71,5	38,7
1000	72,2	46,4
1250	74,5	49,6
1600	75,7	54,1
2000	74,1	57,3
2500	72,7	60,8
3150	72,7	<64,5
4000	71,8	<66,4
5000	69,5	<64,6

Measurement limit



Parameters according DIN EN ISO 717-2:

$\Delta L_w = 27$  dB

$C_{1,\Delta} = -12$  dB

$C_{1,r} = 1$  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.: T1055

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