

## 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:

Highline 630, ECT350

### Assembly:

Item: 1501548 | Batchno.: H006054002

Dyelot: 3046

Dim.: 3840/2400/7,7 mm

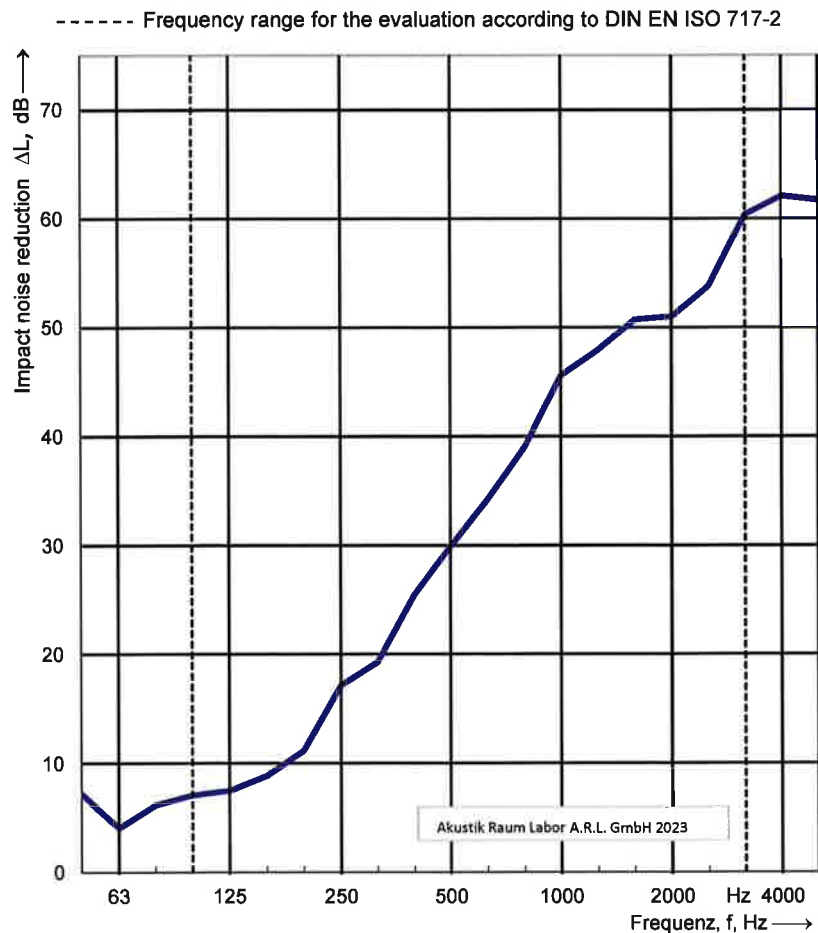


Volume of the receiving room: 53,3 m<sup>3</sup>  
 Test stand: HfT Stuttgart  
 Day of measurement: 13.01.2023

Temperature: 18,9 °C  
 Humidity: 43,3 %  
 Air pressure: 958 hPa

Frequency f [Hz]	L <sub>n,0</sub> Third [dB]	ΔL Third [dB]
50	66,9	7,2
63	59,5	4,1
80	61,0	6,2
100	61,2	7,1
125	67,0	7,5
160	73,5	8,9
200	73,3	11,2
250	69,2	17,2
315	70,0	19,3
400	69,1	25,5
500	70,7	29,9
630	70,7	34,2
800	71,4	39
1000	72,4	45,6
1250	74,1	47,9
1600	75,3	50,7
2000	73,9	51
2500	72,9	53,8
3150	72,8	60,4
4000	71,7	<62,1
5000	69,3	<61,7

Measurement limit



Parameters according DIN EN ISO 717-2:

$\Delta L_w = 28$  dB

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

$C_{l,r} = 1$  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.: ARL202301130

Test-No.: T014

Wächtersbach,  
19.01.2023

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