

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:

Colortec 80/20 1300 LF

Assembly:

ITEM: 189001300

BATCH: -

BALE: 357049960108471604

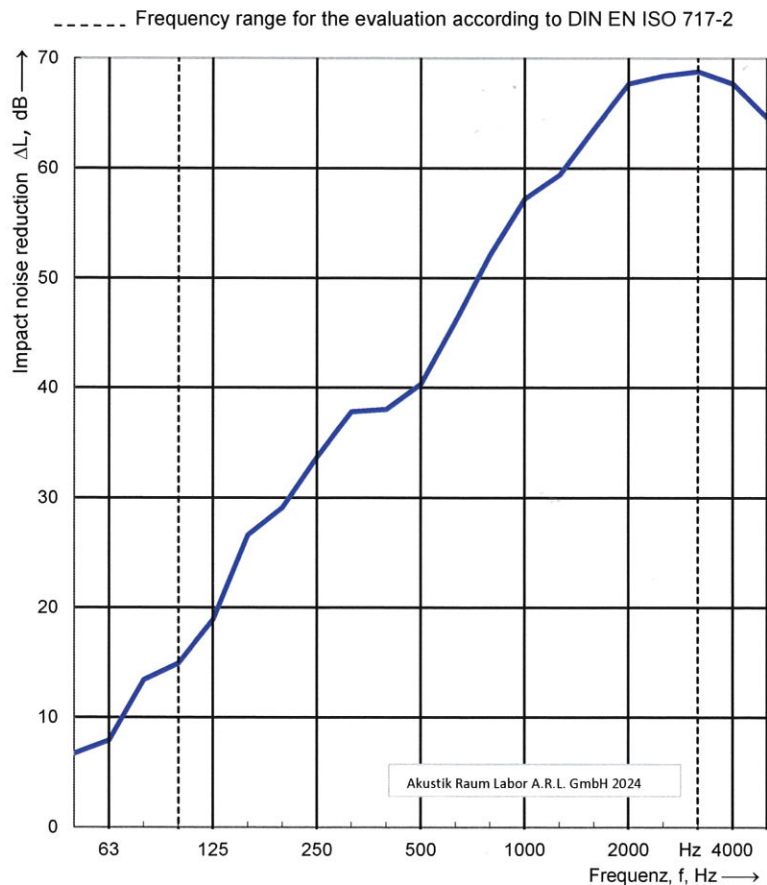


Volume of the receiving room: 53,3 m³
 Test stand: ARL
 Day of measurement: 07.11.2024

Temperature: 20,9 °C
 Humidity: 43,7 %
 Air pressure: 97,5 kPa

Frequency f [Hz]	ΔL	
	$L_{n,0}$ Third [dB]	Third [dB]
50	66,9	6,7
63	57,5	7,9
80	60,1	13,4
100	58,7	14,9
125	65,4	18,9
160	72,5	26,6
200	73,1	29,1
250	68,0	33,7
315	69,4	37,8
400	69,3	38
500	70,2	40,3
630	71,3	46,1
800	71,7	52,1
1000	72,8	57,2
1250	74,1	59,4
1600	75,4	63,6
2000	73,7	<67,7
2500	72,3	<68,4
3150	72,5	<68,8
4000	71,3	<67,7
5000	69,2	<64,6

Measurement limit



Parameters according DIN EN ISO 717-2:

$\Delta L_w = 42$ dB

$C_{l,\Delta} = -14$ dB

$C_{l,r} = 3$ 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.: ARL202411070

Test-No.: M014

Wächtersbach,

20.12.2024

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