

Improvement of impact insulation ISO 140-8:1998

Laboratory measurements of the reduction of transmitted impact noise by floor coverings on a heavy standard floor

Manufacturer: CORKART, Parque Industrial Vendas Novas, Lote 20- 7080-341 Vendas Novas - Portugal

Client: Manufacturer

Test room identification: F-01 / T-01

Test specimen mounted by: MFPA Leipzig GmbH

Date of test: 16.01.2008

Description of the specimen:

- 11 mm cork floating floor
- 140 mm unfinished ceiling (reinforced concrete)

Mass per unit: 7,93 kg/m²

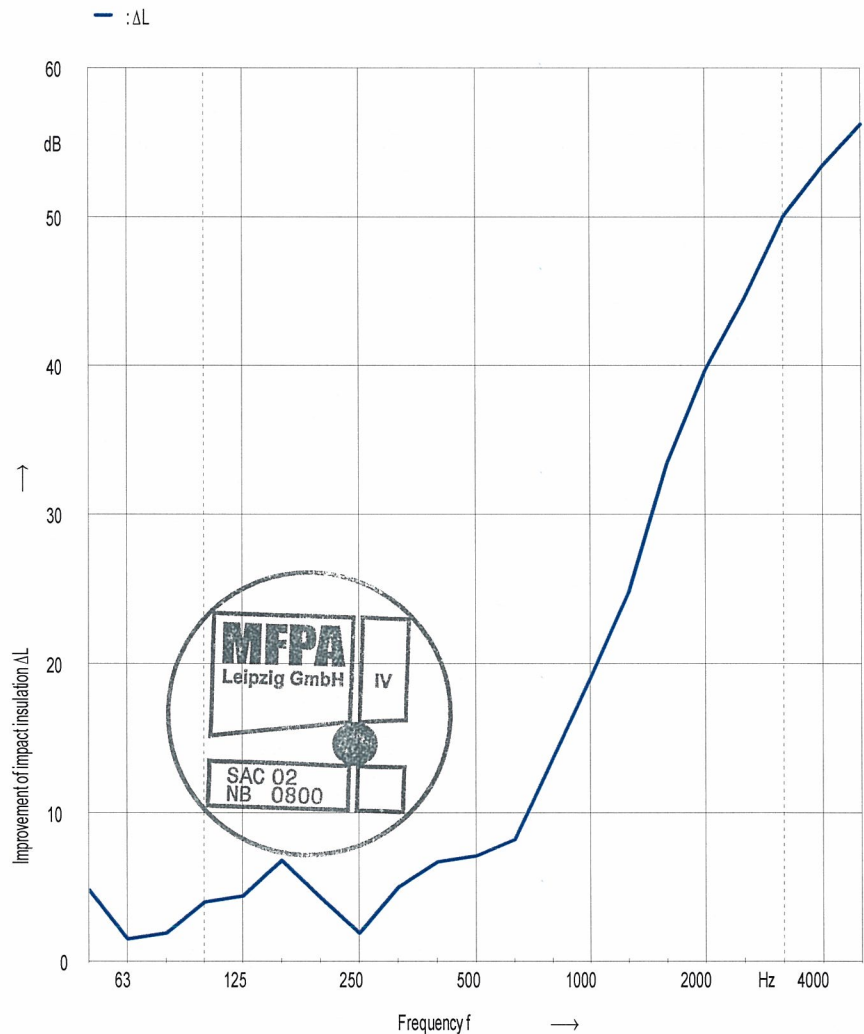
Curing time: -

Temperature [°C]: 17

Humidity [%]: 45

Receiving room Volume: 58,9 m³

Frequency [Hz]	Ln,o 1/3 oct. [dB]	ΔL 1/3 oct. [dB]
50	64,3	4,8
63	62,7	1,5
80	63,1	1,9
100	62,1	4,0
125	65,2	4,4
160	65,2	6,8
200	65,2	4,3
250	62,7	1,9
315	65,2	5,0
400	66,9	6,7
500	66,4	7,1
630	66,9	8,2
800	68,3	13,7
1000	69,1	19,1
1250	68,6	24,8
1600	69,8	33,4
2000	69,8	39,7
2500	69,8	44,5
3150	70,5	50,0
4000	69,5	53,4
5000	66,7	56,2



Rating according to ISO 717-2

$\Delta L_w = 19 \text{ dB}$

$C_{l,\Delta} = -11 \text{ dB}$

$C_{l,r} = 0 \text{ dB}$

The results are based on test made with an artificial source under laboratory conditions (engineering method)

MFPA Leipzig GmbH

No. of test report: P 4.2 / 09-015

Leipzig, 16.01.2009

i. A. Spitz
Signature