

Reduction of impact sound pressure level according to ISO 10140

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

Manufacturer: Gerflor

Product identification:

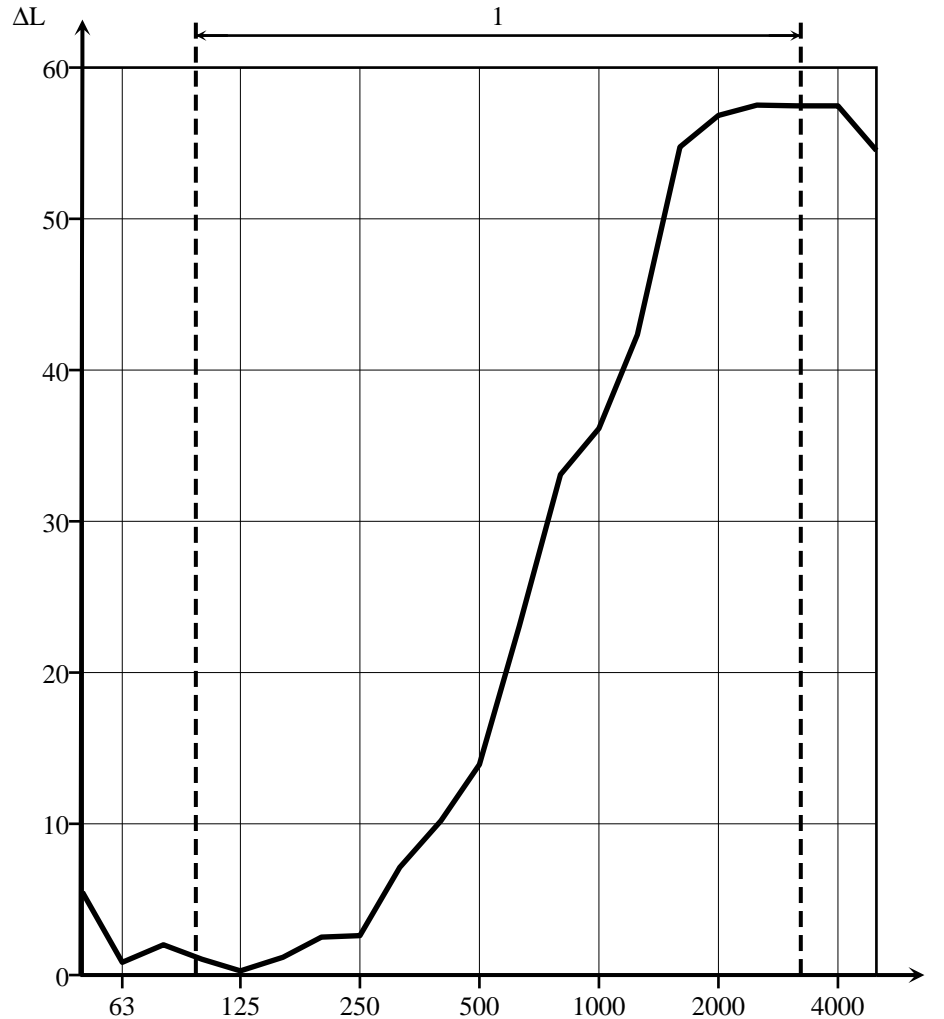
TARAFLEX EVOLUTION SL

Date of test: 2024-10-08

Description of test specimen:

Test specimen area:	1.0	m ²
Mass per unit area:	/	kg/m ²
Air temperature in test rooms:	22.5	°C
Air humidity in test rooms:	45.0	%
Thickness std floor:	14	cm
Receiving room volume:	52.0	m ³

Frequency <i>f</i> Hz	$L_{n,0}$ one-third octave dB	ΔL one-third octave dB
50	56.4	5.5
63	58.3	0.8
80	59.9	2.0
100	62.7	1.0
125	59.0	0.3
160	66.8	1.2
200	68.3	2.5
250	67.7	2.6
315	67.2	7.1
400	71.1	10.2
500	70.1	13.9
630	71.4	23.1
800	71.8	33.1
1000	73.8	36.1
1250	75.8	42.3
1600	77.4	54.8*
2000	77.6	56.8*
2500	77.5	57.5*
3150	79.1	57.5*
4000	78.6	57.5*
5000	76.6	54.5*



Legend:

f: Frequency (Hz)

— ΔL : Reduction of impact sound pressure level (dB)

1: Frequency range according to the curve of reference values (ISO 717-2)

Rating according to ISO 717-2:

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

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

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

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

Name of test institute: Gerflor

Signature:

Corrected impact sound pressure levels, $L_{n,e}$, according to NF S31-074

Measurements of walking noise

Manufacturer: Gerflor

Product identification:

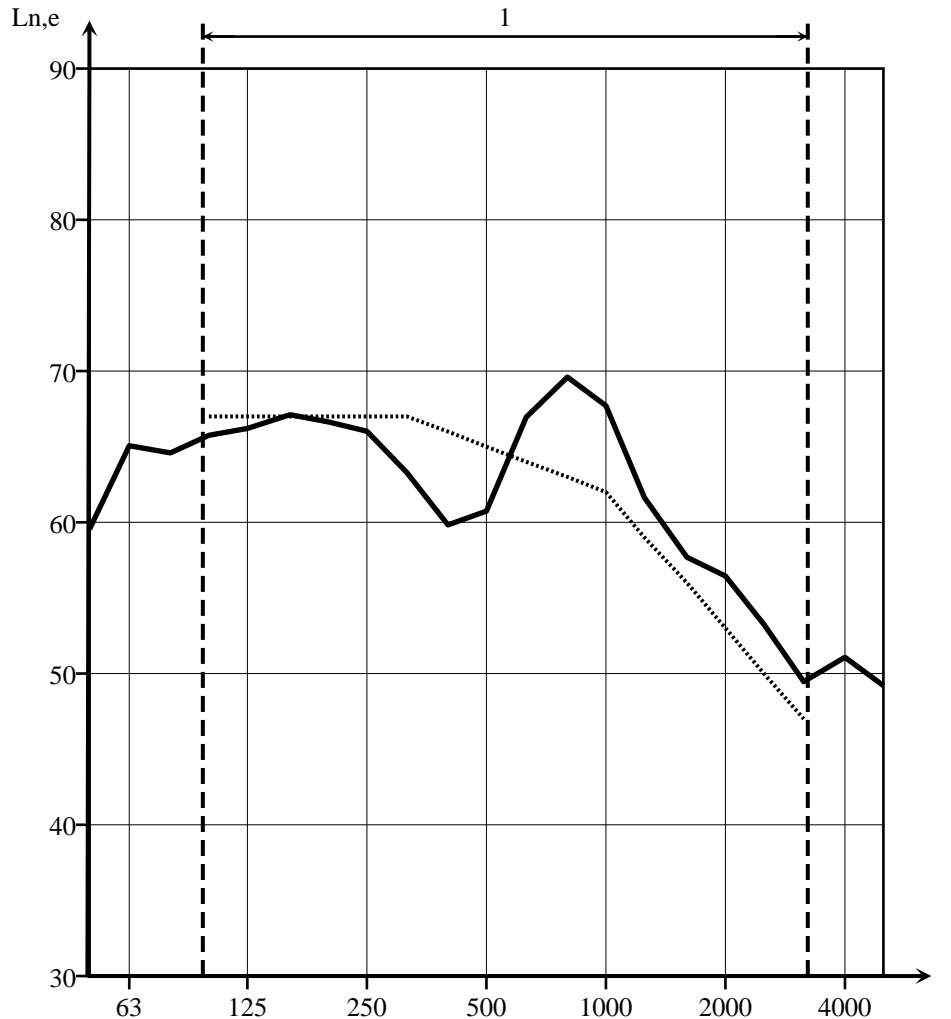
TARAFLEX EVOLUTION SL

Date of test: 2024-10-08

Description of test specimen:

Test specimen area: 1.0 m²
 Mass per unit area: / kg/m²
 Air temperature in test rooms: 22.5 °C
 Air humidity in test rooms: 45.0 %
 Thickness std floor: 14 cm
 Receiving room volume: 52.0 m³

Frequency f Hz	$L_{n,e}$ one-third octave dB
50	59.5
63	65.1
80	64.6
100	65.8
125	66.2
160	67.1
200	66.6
250	66.0
315	63.3
400	59.8
500	60.7
630	67.0
800	69.6
1000	67.7
1250	61.6
1600	57.7*
2000	56.4*
2500	53.2*
3150	49.5*
4000	51.1*
5000	49.2*



Legend:

f : Frequency (Hz)

— L_n : Normalized impact sound pressure level (dB)

..... 1: Frequency range according to the curve of reference values (ISO 717-2)

Rating according to ISO 717-2:

$$L_{n,e,w}(C_1) = 65 (-3) \text{ dB}$$

Evaluation based on laboratory measurement results obtained by an engineering method.

Name of test institute: Gerflor

Signature: