

Improvement of impact insulation according to ISO 10140-3

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

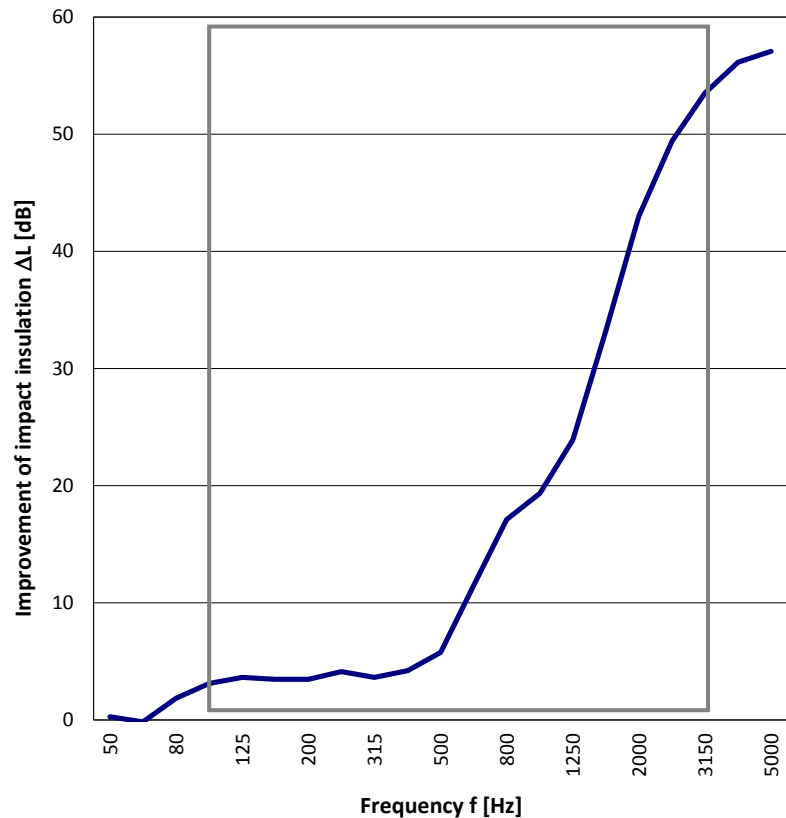
Client:	Sedacor	Product identification:	Sedacor Rubbercork Roll 2 mm
Manufacturer:	Sedacor	Test room identification:	Schalllabor 2 (OG)/Schalllabor 1 (EG)
Installation:	EPH	Date of test:	23th March 2016

Description of the specimen/test set-up: (top down)

Laminate floor covering (DPL, thickness: 7 mm);
 Sedacor Underlay Rubbercork Roll (loosely laid, thickness: 2.0 mm,
 Dimensions: 13 m x 1m);
 Vapour barrier foil (PE, thickness: 0.2 mm);
 Reinforced concrete floor (thickness: 140 mm)

Area-related mass [kg/m²]: -
 Curing time: -
 Temperature [°C]: 22.0
 Relative Humidity [%]: 36.0
 Volumen of receiving room: [m³]: 76.9

Frequency [Hz]	L _{n,0} 1/3 oct. [dB]	ΔL 1/3 oct. [dB]
50	53.1	0.3
63	60.0	-0.2
80	60.0	1.9
100	57.7	3.1
125	63.6	3.7
160	64.2	3.5
200	68.8	3.5
250	69.1	4.1
315	72.4	3.7
400	71.5	4.2
500	72.9	5.8
630	75.8	11.5
800	77.3	17.1
1000	78.3	19.3
1250	76.5	23.9
1600	77.4	33.2
2000	77.6	43.0
2500	77.4	49.4
3150	76.5	53.5
4000	74.5	56.2
5000	71.8	57.1



Frequency range for the rating according to ISO 717-2

Rating according to ISO 717-2:

$\Delta L_w = 18 \text{ dB}$	$L_{n,w} = 60 \text{ dB}$	$L_{n,0,w} = 78 \text{ dB}$
$C_{l,\Delta} = -10 \text{ dB}$	$C_{l,r} = -1 \text{ dB}$	$C_l = 0 \text{ dB}$

These results are based on tests made with an artificial source under laboratory conditions (third-octave band measurements).

Name of the testing institut: Entwicklungs- und Prüflabor Holztechnologie GmbH
 No. test report/variant: 2616066/Variant-1

Date: 20th April 2016 Signature: Hauswald

