

Appendix 3

Normalized impact sound pressure levels according to SS-EN ISO 10140-3

Laboratory measurements of impact sound insulation of floors

Client: Granab AB Date of test: 2024-12-03

Manufacturer:

Test room identification: RISE Impact sound insulation laboratory

Mounted by: Granab / RISE

Product identification: CLT Martinsons, 200 mm, Granab 8000 W25, height: 200 mm, 190 mm rock wool, 22 mm floor chipwood. Frame: 2 x 22 mm plywood, 1x 13 mm plasterboard.

Description of the specimen: 1 mm felt underlayment, 2 x 13 mm Recoma, 1 mm felt underlayment, RISE reference parquet flooring.

Area, S, of test element: 12,00 m²

Static pressure: 99,5 kPa

Receiving room volume: 132,8 m³

Air temperature: 18,6 °C

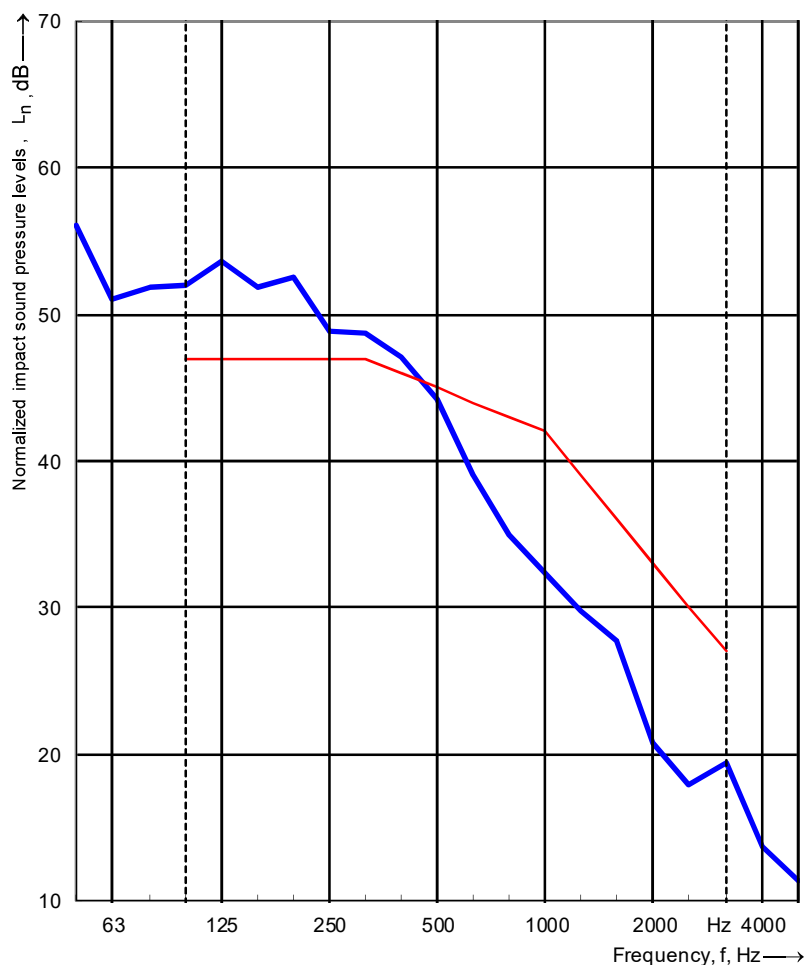
Mass per unit area:

Relative air humidity: 37,0 %

Curing time:

----- Frequency range according to ISO 717-2
— curve of shifted reference values (ISO 717-2)

Frequency f [Hz]	L _n 1/3 oktav [dB]
50	56,1
63	51,0
80	51,9
100	52,0
125	53,6
160	51,9
200	52,5
250	48,9
315	48,7
400	47,1
500	44,2
630	39,0
800	35,0
1000	32,3
1250	29,8
1600	27,7
2000	20,8
2500	17,9
3150	19,4
4000	13,7
5000	11,3



Rating according to ISO 717-2

L_{rw}(C₁) = 45 (0) dBC₁₅₀₋₂₅₀₀ = 2 dB

Evaluation based on laboratory measurement results obtained in one-third-octave bands by an engineering method.