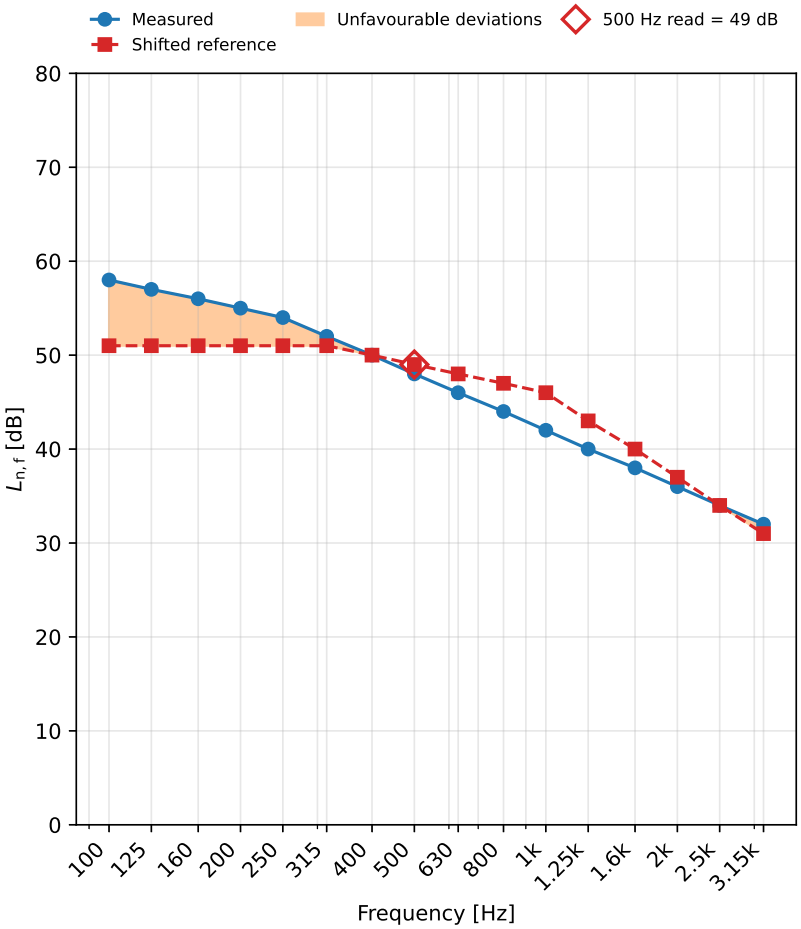
Flanking impact sound insulation of floors

Normalized flanking impact sound pressure level $L_{n,f}$ measured in accordance with ISO 10848-2:2006 using the tapping machine on the source-room floor. Rating per ISO 717-2:2020.

Client:	Example client	Description:	Flanking floor over a rigid T-junction
Test room:	Flanking-transmission suite (example)	Date of test:	2026-07-22

One-third-octave $L_{n,f}$ [dB]

Frequency f [Hz]	$L_{n,f}$ [dB]
100	58.0
125	57.0
160	56.0
200	55.0
250	54.0
315	52.0
400	50.0
500	48.0
630	46.0
800	44.0
1000	42.0
1250	40.0
1600	38.0
2000	36.0
2500	34.0
3150	32.0



$L_{n,f,w}$ (C_I) = **49 (+0) dB**

Evaluation based on laboratory measurement of the normalized flanking impact level (ISO 10848-2:2006, tapping machine on the source-room floor).

Result vs requirement: $L_{n,f,w}$ = 49 dB, required ≤ 55 dB → **PASS**

Laboratory: Phonometry reference example
Report no.: EXAMPLE-10848-LNF
Date: 2026-07-22
Notes: Normalized flanking impact level Ln,f (ISO 10848-2:2006).
Operator: phonometry Signature: _____

■ The results relate only to the tested specimen.

Generated by phonometry.