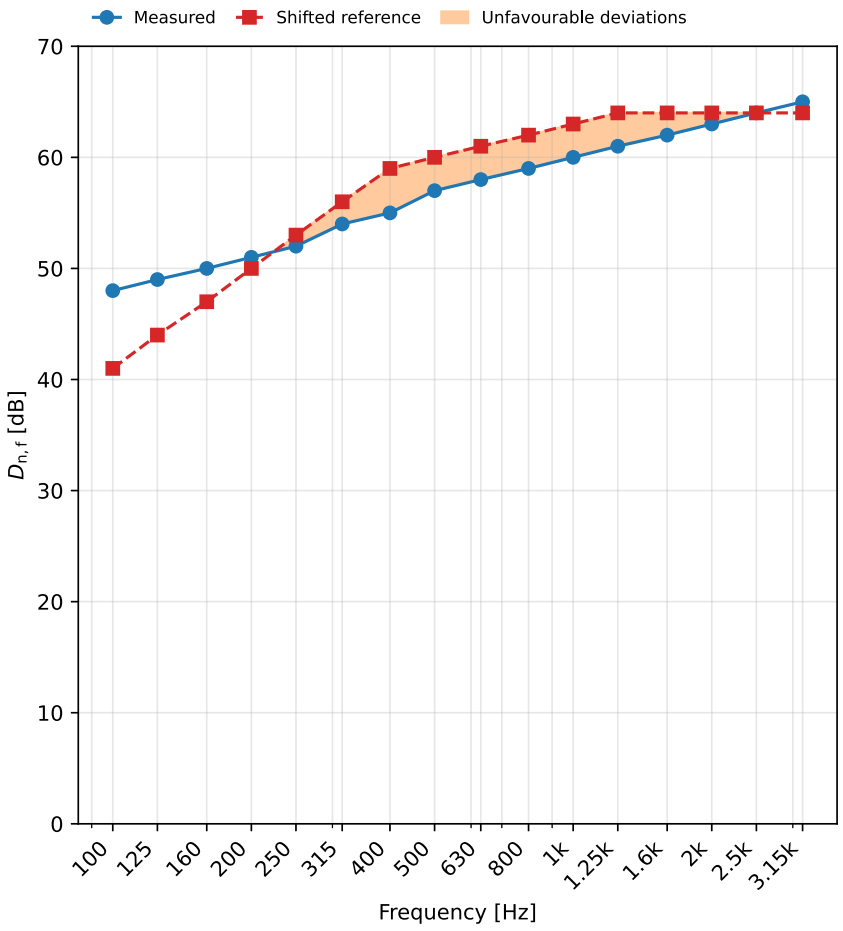
Flanking sound insulation between rooms

Normalized flanking level difference $D_{n,f}$ measured in accordance with ISO 10848-2:2006 (airborne excitation of the source-room element). Rating per ISO 717-1:2020.

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

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

Frequency f [Hz]	$D_{n,f}$ [dB]
100	48.0
125	49.0
160	50.0
200	51.0
250	52.0
315	54.0
400	55.0
500	57.0
630	58.0
800	59.0
1000	60.0
1250	61.0
1600	62.0
2000	63.0
2500	64.0
3150	65.0



$D_{n,f,w}$ (C; C_{tr}) = **60 (-1; -3) dB**

Evaluation based on laboratory measurement of the normalized flanking level difference (ISO 10848-2:2006, airborne excitation).

Result vs requirement: $D_{n,f,w}$ = 60 dB, required ≥ 55 dB → **PASS**

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

■ The results relate only to the tested specimen.

Generated by phonometry.