

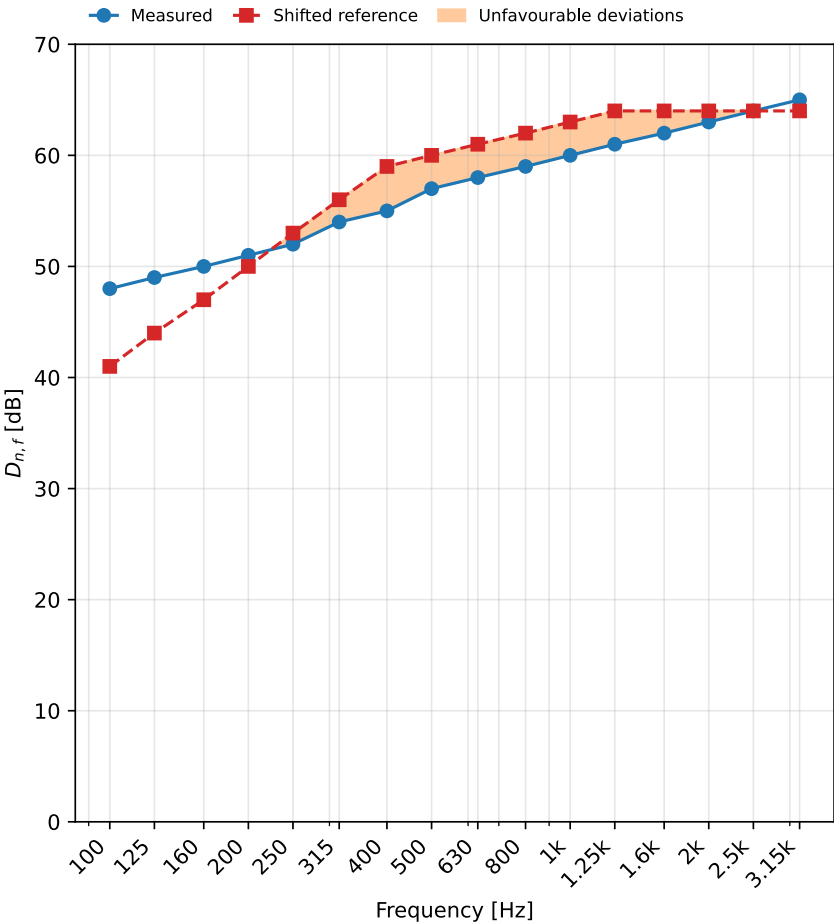
# Flanking sound insulation between rooms

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           |



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

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

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

**Laboratory:** Phonometry reference example

**Report no.:** EXAMPLE-10848-DNF

**Date:** 2026-07-22

**Notes:** Normalized flanking level difference  $D_{n,f}$  (ISO 10848-2:2006).

Operator: phonometry    Signature: \_\_\_\_\_

■ The results relate only to the tested specimen.

Generated by phonometry.