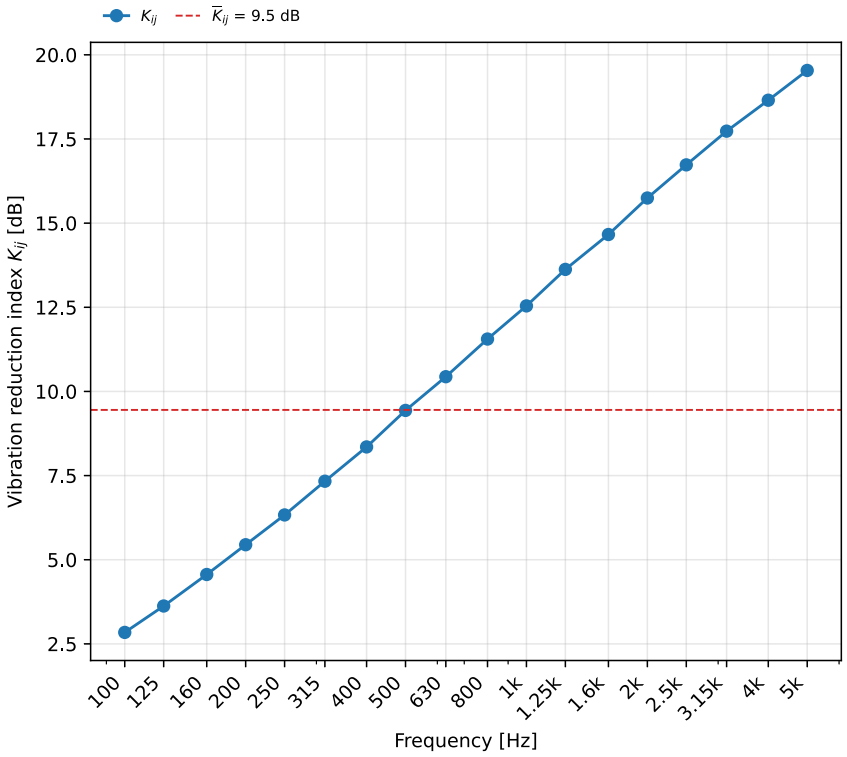
Junction vibration reduction index

Vibration reduction index K_{ij} measured in accordance with ISO 10848-1:2006. Junction characterization for the EN 12354 flanking-transmission prediction.

Client:	Example client	Description:	Rigid T-junction of two 200 mm concrete walls
Test room:	Flanking-transmission suite (example)	Date of test:	2026-07-22

Vibration reduction index per band

f [Hz]	K_{ij} [dB]
100	[2.8]
125	[3.6]
160	[4.6]
200	5.4
250	6.3
315	7.3
400	8.4
500	9.4
630	10.4
800	11.6
1000	12.5
1250	13.6
1600	14.7
2000	15.7
2500	16.7
3150	17.7
4000	18.7
5000	19.5



Single-number K_{ij} = 9.5 dB

Annex A band range: 200 Hz to 1250 Hz
Bands averaged: 9
Bracketed (M < 0.25): 3

The single-number K_{ij} is the arithmetic mean over the Annex A band range (200 Hz to 1250 Hz for one-third-octave bands, 125 Hz to 1000 Hz for octave bands). Bracketed bands, where the modal overlap factor is below 0.25 (ISO 10848-4:2010 Clause 9), are excluded from the mean. The reported index relates only to the tested junction.

Values in brackets are bracketed bands, excluded from the single number.

Laboratory: Phonometry reference example
Report no.: EXAMPLE-10848-KIJ
Date: 2026-07-22
Notes: Junction vibration reduction index Kij (ISO 10848-1:2006).
Operator: phonometry Signature: _____

■ The results relate only to the tested specimen.