

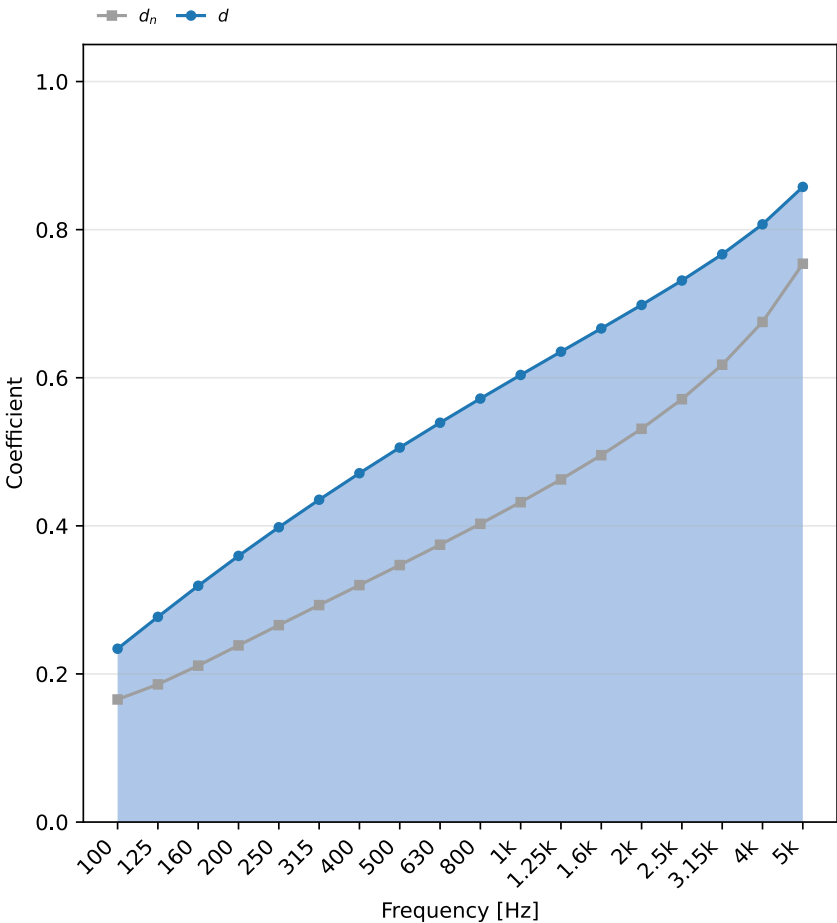
Surface diffusion measurement

ISO 17497-2 free-field measurement of the directional diffusion coefficient per ISO 17497-2:2012.

Client:	Example client	Manufacturer:	Example acoustics
Description:	1:1 single-plane Schroeder diffuser (N = 7)	Frequency range [Hz]:	100 to 5000
Mounting:	Single-plane diffuser, plane of maximum diffusion	Test room:	Anechoic goniometer (example), source at 10 m, arc at 5 m
Date of test:	2026-07-21	Temperature [°C]:	20
Relative humidity [%]:	50	Ambient pressure [kPa]:	101

One-third-octave diffusion coefficient d

f [Hz]	d
100	0.23
125	0.28
160	0.32
200	0.36
250	0.40
315	0.44
400	0.47
500	0.51
630	0.54
800	0.57
1000	0.60
1250	0.64
1600	0.67
2000	0.70
2500	0.73
3150	0.77
4000	0.81
5000	0.86



Diffusion coefficient d, 100 Hz to 5000 Hz

Laboratory: Phonometry reference example

Report no.: EXAMPLE-17497-2

Date: 2026-07-21

Operator: phonometry **Signature:** _____

■ The results relate only to the tested specimen.
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