



Sound absorption measurement

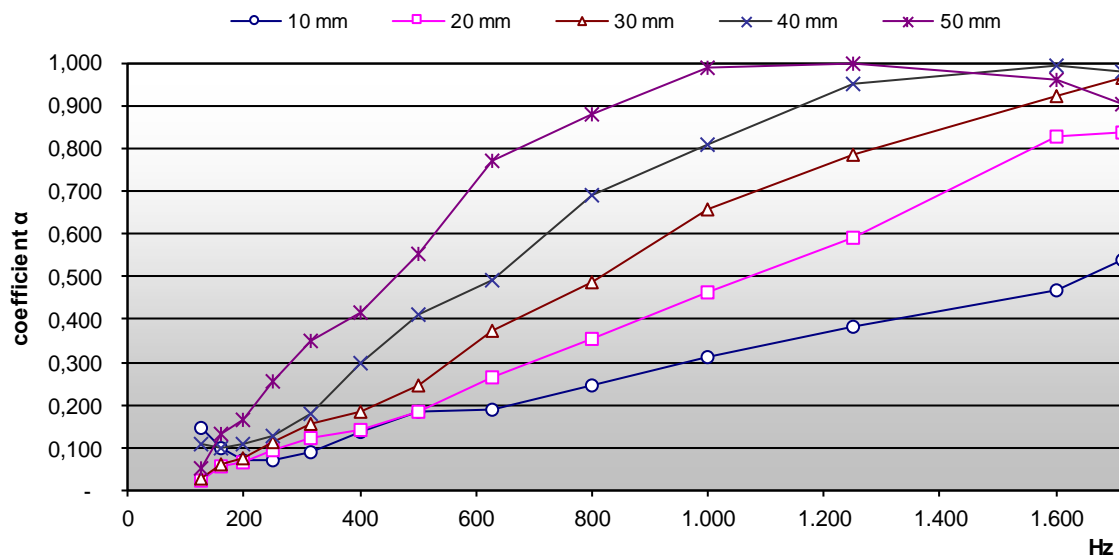
In accordance to ISO 10534-2

Material:	RE100-XX	Measure condition:	
Applicant:	Standard procedure	According to: ISO 10534-2	
Place/date:	B6 / 2009-10-17	Distance mic. 1:	450 mm
Measured by:	PAN	Distance mic. 2:	375 mm

Hz / α	10 mm	20 mm	25 mm	40 mm	50 mm
125	0,146	0,025	0,026	0,108	0,051
160	0,101	0,057	0,060	0,101	0,131
200	0,070	0,065	0,075	0,107	0,168
250	0,072	0,093	0,113	0,130	0,254
315	0,091	0,125	0,154	0,179	0,349
400	0,135	0,143	0,184	0,299	0,415
500	0,186	0,185	0,246	0,411	0,552
630	0,189	0,267	0,375	0,493	0,772
800	0,245	0,353	0,485	0,690	0,880
1.000	0,313	0,464	0,659	0,810	0,990
1.250	0,381	0,590	0,786	0,953	0,998
1.600	0,466	0,826	0,921	0,992	0,963
1.715	0,538	0,839	0,964	0,977	0,905

This measurement requires careful control of temperature and humidity in an impedance tube in accordance with ISO 10534-2.

The sound absorption coefficient is measured as the percentage of incident sound energy that, rather than being reflected, is converted to other forms of energy such as heat.



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