



## Measurement of Sound Absorption (coefficient $\alpha$ )

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

**Measure type:** Lydabsorptions evne ( $\alpha$  - værdi)  
**Material:** Stratocell Whisper FR  
**Material (B6):** n.a.  
**Applicant:** B6 Akustik A/S  
**Date:** 19-10-2012  
**Measured by:** Istituto Giordano, Italy, initiated by S. Air.

**Measure condition:**  
 The test was carried out in accordance with the standard UNI EN ISO 354:2003 dated 01/12/2003.  
 Acoustics measurement of sound absorption in a reverberation room.

Hz / $\alpha$	Strat Whisper, 50mm	Strat Whisper, 40mm	Strat Whisper, 30 mm	Strat Whisper, 25mm	Strat Whisper, 20mm	Strat Whisper, DB 50mm
160	0,2800	0,2300	0,1500	0,1000	0,0900	0,2900
200	0,4000	0,3000	0,1800	0,1200	0,1000	0,3800
250	0,6900	0,5100	0,2800	0,2300	0,1600	0,6800
315	1,1300	0,9700	0,4800	0,4300	0,2600	1,0900
400	1,0100	1,0600	0,8400	0,7700	0,5300	0,9500
500	0,9900	0,9900	1,0600	1,0300	0,9100	0,9700
630	1,0300	0,9700	0,9900	1,0400	1,0600	1,0000
800	1,1200	1,0000	0,8000	0,8200	0,9400	1,0200
1.000	1,0900	1,0800	0,6900	0,7500	0,8200	1,0900
1.250	1,0700	0,9900	0,6800	0,7900	0,8500	1,0100
1.600	1,0200	0,9500	0,8000	0,8900	0,9600	1,1100
2.000	1,0900	1,0500	0,8200	0,8200	0,8400	1,0900
2.500	1,0500	1,0300	0,6800	0,7000	0,7200	1,0300
3.150	0,9700	0,8900	0,7300	0,7700	0,8100	0,8700
4.000	0,9100	0,8400	0,7900	0,8200	0,8300	0,8100
5.000	0,8900	0,8200	0,8000	0,6900	0,6900	0,7400

