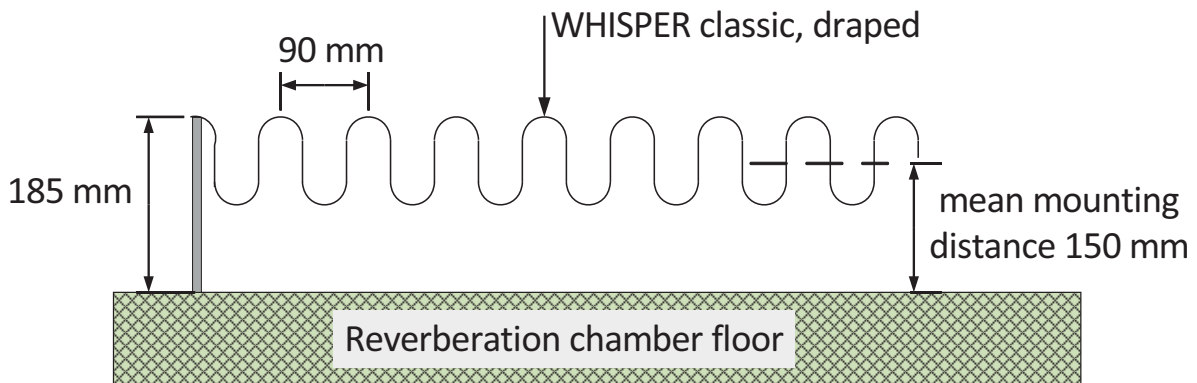


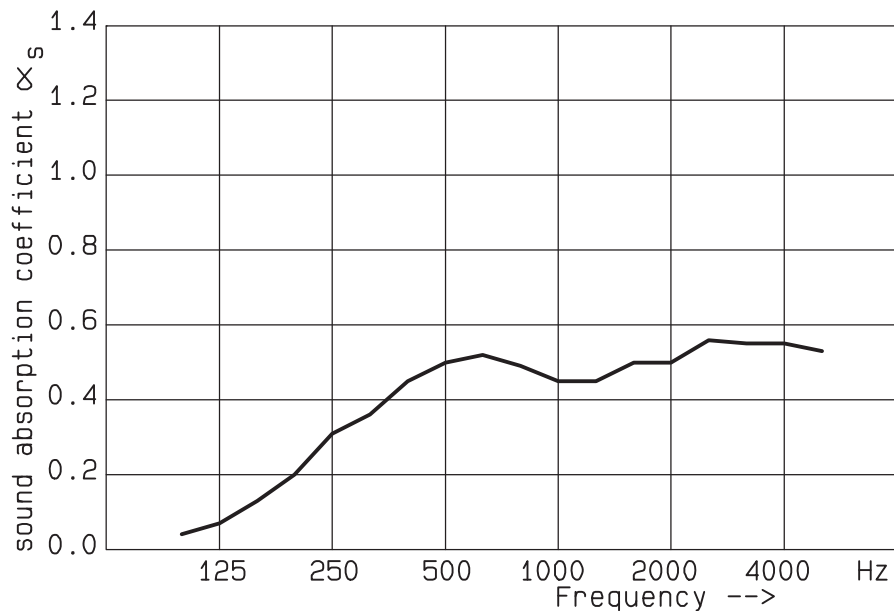
Object: Annette Douglas Textiles ACOUSTICS ®, WHISPER classic,
100% fullness, mean mounting distance 150 mm

Test: Reverberation room EMPA Dübendorf Volume V: 215 m³ Measurement no. 7
Temperature: 21 °C Relative humidity: 59 % Area S: 12,0 m² Date: 01.03.2011

Photograph and schematic vertical cut of the setup in the reverberation chamber



Frequency α_s [Hz]	
100	0.04
125	0.07
160	0.13
200	0.20
250	0.31
315	0.36
400	0.45
500	0.50
630	0.52
800	0.49
1000	0.45
1250	0.45
1600	0.50
2000	0.50
2500	0.56
3150	0.55
4000	0.55
5000	0.53



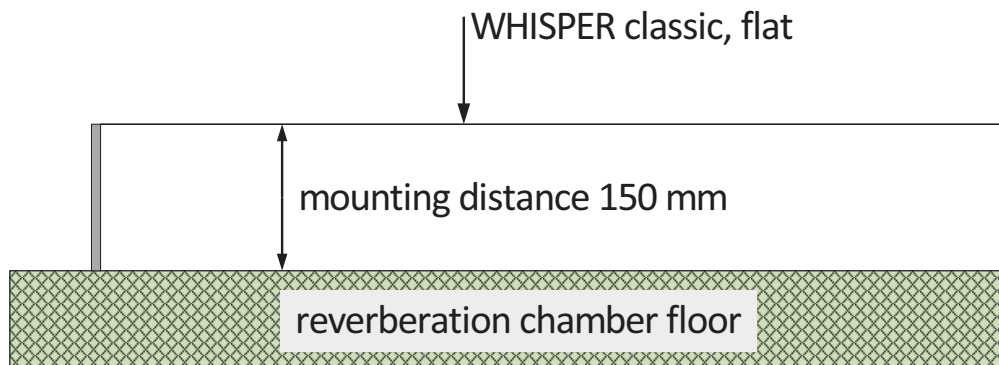
Averages of α_s :		
100 - 315 Hz: 0.18	400 - 1250 Hz: 0.48	1600 - 5000 Hz: 0.53
500 - 2000 Hz: 0.49	125 - 4000 Hz: 0.41	100 - 5000 Hz: 0.40
Evaluation acc. EN ISO 11'654 (1997):		
α_p : 250Hz: 0.30	500Hz: 0.50	1000Hz: 0.45 2000Hz: 0.50 4000Hz: 0.55 α_w : 0.50

Methode of measurement: ISO 354 MLS-based measurement; 1/3 octave filters; T20

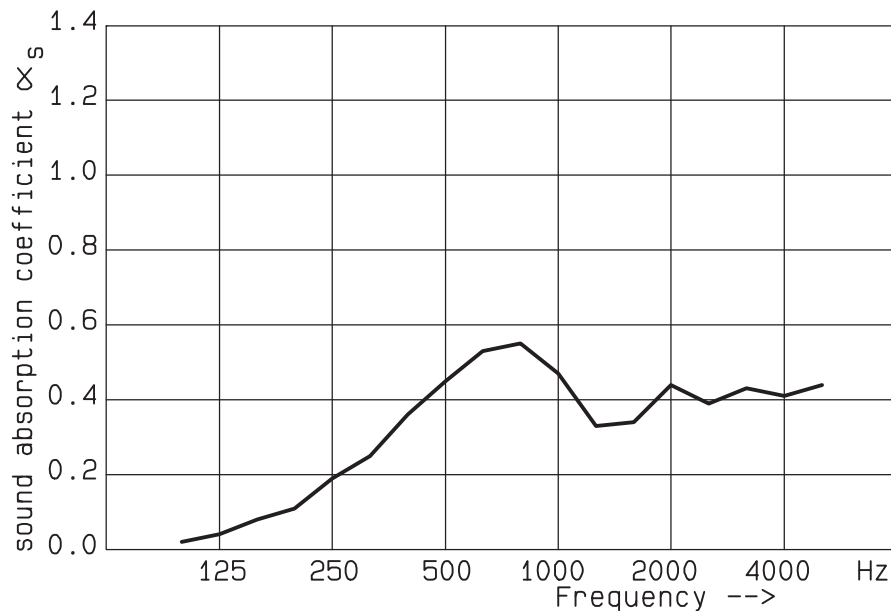
Object: Annette Douglas Textiles ACOUSTICS ®, WHISPER classic,
0% fullness, mounting distance 150 mm

Test: Reverberation room EMPA Dübendorf Volume V: 215 m³ Measurement no. 1
Temperature: 21 °C Relative humidity: 58 % Area S: 12,0 m² Date: 28.02.2011

Photograph
and schematic vertical
cut of the setup in the
reverberation chamber



Frequency [Hz]	α_s
100	0.02
125	0.04
160	0.08
200	0.11
250	0.19
315	0.25
400	0.36
500	0.45
630	0.53
800	0.55
1000	0.47
1250	0.33
1600	0.34
2000	0.44
2500	0.39
3150	0.43
4000	0.41
5000	0.44



Averages of α_s :			
100 - 315 Hz: 0.11	400 - 1250 Hz: 0.45	1600 - 5000 Hz: 0.41	
500 - 2000 Hz: 0.44	125 - 4000 Hz: 0.34	100 - 5000 Hz: 0.32	
Evaluation acc. EN ISO 11'654 (1997):			
α_p : 250Hz: 0.20	500Hz: 0.45	1000Hz: 0.45	2000Hz: 0.40 4000Hz: 0.45 α_w : 0.45

Methode of measurement: ISO 354 MLS-based measurement; 1/3 octave filters; T20