

sound absorption coefficient according to ISO 354:2003



Measurement of sound absorption in a reverberation room

Büro für Akustik & Engineering

client: Techmed-Textil-Service GmbH
mounting: From top down:
Fabric, Co. CLIPSO, Type 495D white, seize 3500 mm x 3000 mm, test area 10.50 m²
10 mm air space, absorbent with polyester tissue TM10/C-LA53
Floor construction with OSB, d=18 mm, sealed joints between floor construction and floor of the reverberation room
Floor of the reverberation room

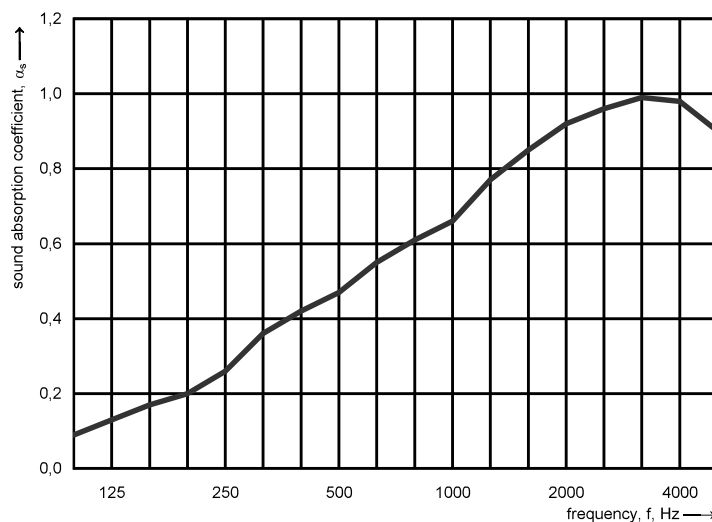
date of test: 13.06.2013

Overall construction height, without floor construction: 10 mm

object: Fabric, Co. CLIPSO, Type 495D white
with absorbent 10 mm polyester tissue, Co. Techmed, Type TM10/C-LA53, 380 g/m²

surface area:	10,50 m ²	room empty:	humidity	55,0 %	room with testing material:	humidity:	59,0 %
volume of room:	204,6 m ³	temperature:	21,8 °C	temperature:	22,2 °C		
		air pressure:	101,5 kPa	air pressure:	101,5 kPa		

frequency f [Hz]	α_s
100	0,09
125	0,13
160	0,17
200	0,20
250	0,26
315	0,36
400	0,42
500	0,47
630	0,55
800	0,61
1000	0,66
1250	0,77
1600	0,85
2000	0,92
2500	0,96
3150	0,99
4000	0,98
5000	0,90



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appendix A01

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signature

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