

sound absorption coefficient according to ISO 11654



Measurement of sound absorption in a reverberation room

Büro für Akustik & Engineering

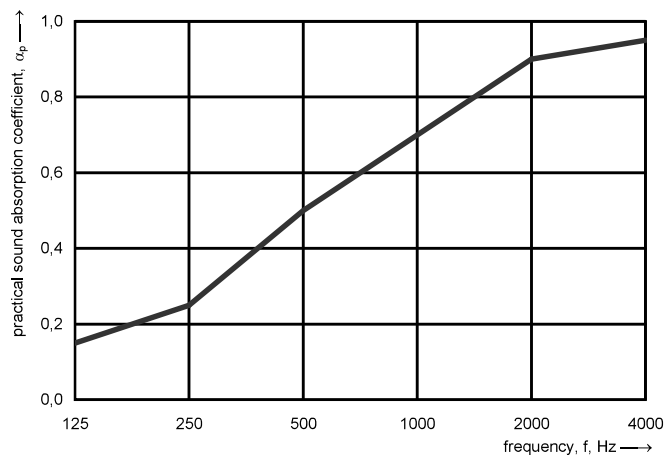
client: Techmed-Textil-Service GmbH
date of test: 13.06.2013
mounting: From top down:
Fabric, Co. CLIPSO, Type 495D white, size 3500 mm x 3000 mm, test area 10.50 m²
10 mm air space, absorbent with polyester tissue TM10/C-LA53
Floor construction with OSB, d=18 mm, sealed joints between floor construction and floor of the reverberation room
Floor of the reverberation room

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

humidity 55 %
temperature: 21,8 °C
surface area: 10,50 m²
volume of room: 204,6 m³

frequency f [Hz]	α_p
125	0,15
250	0,25
500	0,50
1000	0,70
2000	0,90
4000	0,95



weighted sound absorption coefficient according to ISO 11654
 $\alpha_w = 0,50$ (H)
absorber class D

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appendix A02

Date: 20.06.2013

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