sound absorption coefficient according to ISO 11654

B-A-E Fiedler

Büro für Akustik & Engineering

Measurement of sound absorption in a reverberation room

client: CLISPO Productions S.A.S. date of test: 16.04.2014

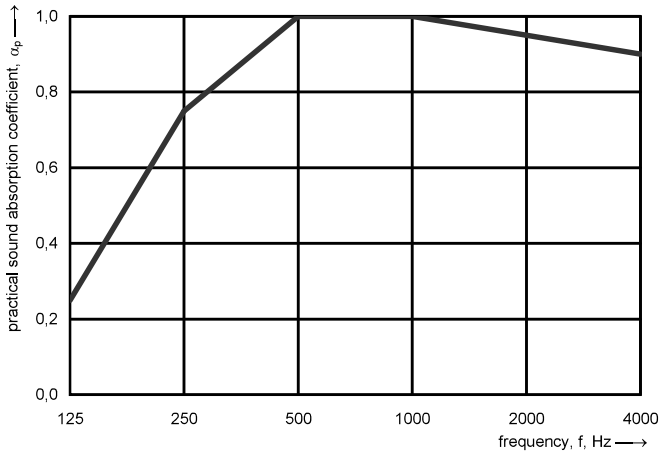
mounting: From top down:
Fabric, Co. CLIPSO, Type 495 D white, size 3500 mm x 3000 mm, test area 10.50 m², mounted on tenter frame
55 mm air space, absorbent with polyester tissue LA54, d ~ 50 mm
Aluminium frame with h = 55 mm, sealed joints between aluminium frame and floor of the reverberation room
Floor of the reverberation room

Overall construction height: 55 mm

object: Fabric, Co. CLIPSO, Type 495 D white, area density approx. 225 g/m²
with absorbent 50 mm polyester tissue, Co. Techmed, Type LA54, 1000 g/m²

humidity	42	%
temperature:	18,7	°C
surface area:	10,50	m²
volume of room:	204,6	m³

frequency f [Hz]	α_p
125	0,25
250	0,75
500	1,00
1000	1,00
2000	0,95
4000	0,90



weighted sound absorption coefficient according to ISO 11654

α_w = 1,00

absorber class A

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Dokument No.: BAE 14-321-01

Appendix A02

Date: 23.04.2014 signature: Dipl.-Ing. (FH) Bernd Fiedler