

Sound absorption coefficient according to DIN EN ISO 354 / ASTM 423

Client: Ruckstuhl AG, St. Urbanstraße 21, CH-4901 Langenthal

Object:

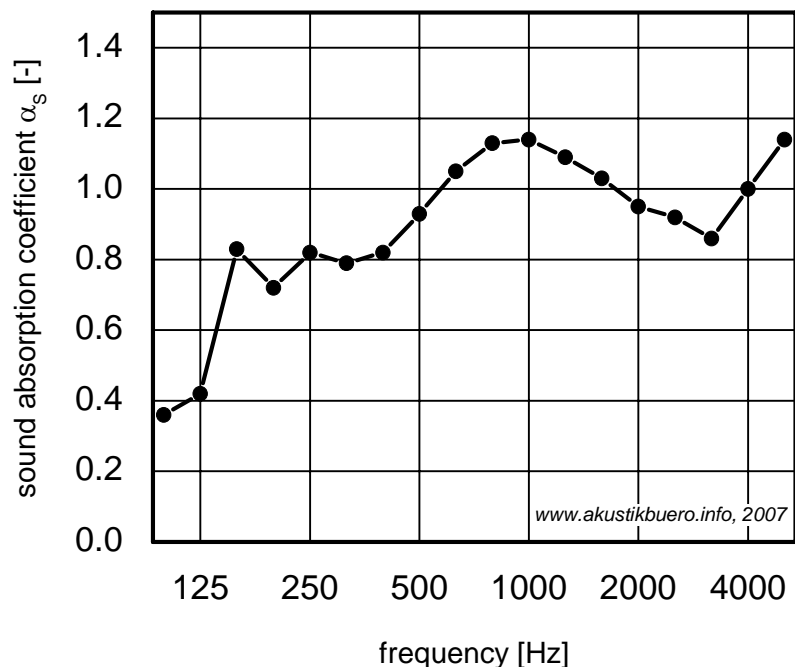
Ruckstuhl Pannelo Murale

Test set-up:

Pannelo Murale with 10 cm distance to backing floor/wall

Sound absorption coefficient α_s according to DIN EN ISO 354

frequency [Hz]	α_s [-]
100	0.36
125	0.42
160	0.83
200	0.72
250	0.82
315	0.79
400	0.82
500	0.93
630	1.05
800	1.13
1000	1.14
1250	1.09
1600	1.03
2000	0.95
2500	0.92
3150	0.86
4000	1.00
5000	1.14



Practical sound absorption coefficient according to DIN EN ISO 11654

frequency [Hz]	α_p [-]
125	0.55
250	0.80
500	0.95
1000	1.00
2000	1.00
4000	1.00

NRC = 0.95
SAA = 0.95
 $\alpha_w = 1.00$
sound absorber class A

test room: FH Bochum
date of test: 09.02.2007
volume of room: 203 m³
surface area: 12 m²
temperature: 20°C
humidity: 50 %



Akustikbüro Oldenburg

Dr. Christian Nocke

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signature: