

Sound absorption coefficient according to ISO 354, DIN EN ISO 11654, ASTM C 423

On behalf of: Burke Acoustics, Unit 1F, Kylemore Park South,
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Object:

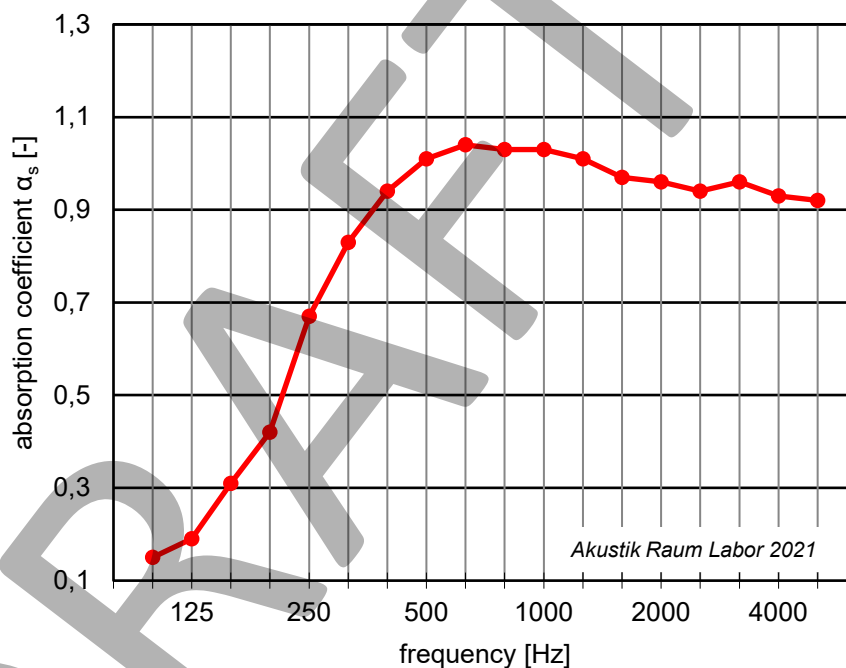
SoloSound - PET

Assembly:

18mm, MDF slats
9mm, polyester fleece
30mm, wood frame filled with wool
Thickness: 57mm
Pattern: 24/12mm (24mm Wood slat, 12mm groove)
7 Panels (2.400/600/57mm) yield an area of 2.400/4.200 mm
Lying on the reverberation room floor. Edge to floor taped off.


**Sound absorption coefficient α_s
according to DIN EN ISO 354**

Frequency [Hz]	α_s [-]
100	0,15
125	0,19
160	0,31
200	0,42
250	0,67
315	0,83
400	0,94
500	1,01
630	1,04
800	1,03
1000	1,03
1250	1,01
1600	0,97
2000	0,96
2500	0,94
3150	0,96
4000	0,93
5000	0,92


**Practical Sound absorption
coefficient α_p according to
DIN EN ISO 11654**

Frequency [Hz]	α_p [-]
125	0,20
250	0,65
500	1,00
1000	1,00
2000	0,95
4000	0,95

Parameters after ASTM 423

NRC = 0,90
SAA = 0,90

Parameters after DIN EN ISO 11654

α_w = 0,95
Sound Absorption Class A

Rev. chamber: ARL
Date: 30.03.2021
Volume: 205 m³
Specimen size: 10 m²
Temperature: 16,9 °C
Humidity: 49 %