

Saga

SOUND ABSORPTION COEFFICIENT ACCORDING TO SS-EN ISO 354:2003 AND SS-EN ISO 11654:1997

Measurement of sound absorption coefficient in a reverberation room



Report number:
20-755-M1
Date
2021-01-07

Frequency f [Hz]	Sound absorption coefficient	
	α_s	α_p
50	0.00	
63	0.02	0.00
80	0.02	
100	0.03	
125	0.04	0.05
160	0.07	
200	0.08	
250	0.10	0.10
315	0.15	
400	0.19	
500	0.27	0.30
630	0.42	
800	0.48	
1000	0.35	0.35
1250	0.23	
1600	0.30	
2000	0.34	0.30
2500	0.33	
3150	0.35	
4000	0.32	0.30
5000	0.28	

Client: Nordgröna
 Manufacturer: Nordgröna
 Product identification: Saga
 Description of test specimen: Cork tiles placed directly on floor, type A mounting

Reverberation room volume: 200 m³
 Temperature: 16.0 °C (empty: 17.0 °C)
 Air humidity: 47 % (empty: 49 %)
 Air pressure: 99.2 kPa (empty: 99.2 kPa)
 Size of specimen: 10.08 m²

Measurement date: 2020-12-18
 Measured by: Johan Jernstedt

$$\alpha_w = 0.30$$

