

Grain G-100

SOUND ABSORPTION COEFFICIENT ACCORDING TO ISO 354 AND ISO 11654

Measurement of sound absorption coefficient in a reverberation room



Report number:

17-174-M3

Date

2017-06-16

Frequency f [Hz]	Sound absorption coefficient	
	α_s	α_p
50	0.03	
63	0.04	0.05
80	0.02	
100	0.04	
125	0.08	0.10
160	0.11	
200	0.17	
250	0.23	0.25
315	0.28	
400	0.33	
500	0.38	0.40
630	0.42	
800	0.47	
1000	0.47	0.45
1250	0.45	
1600	0.43	
2000	0.47	0.45
2500	0.48	
3150	0.50	
4000	0.51	0.50
5000	0.54	

Client: AB Ludvig Svensson

Manufacturer: AB Ludvig Svensson

Product identification: Grain

Description of test specimen: Draperad.
G-100 montage.
190 g/m², 100% Trevira CS
Total ej draperad tygta 6,90 x 2,90 m.
Draperad yta 3,45 x 2,90 m.

Reverberation room volume: 200 m³

Temperature: 17.4 °C (empty: 17.5 °C)

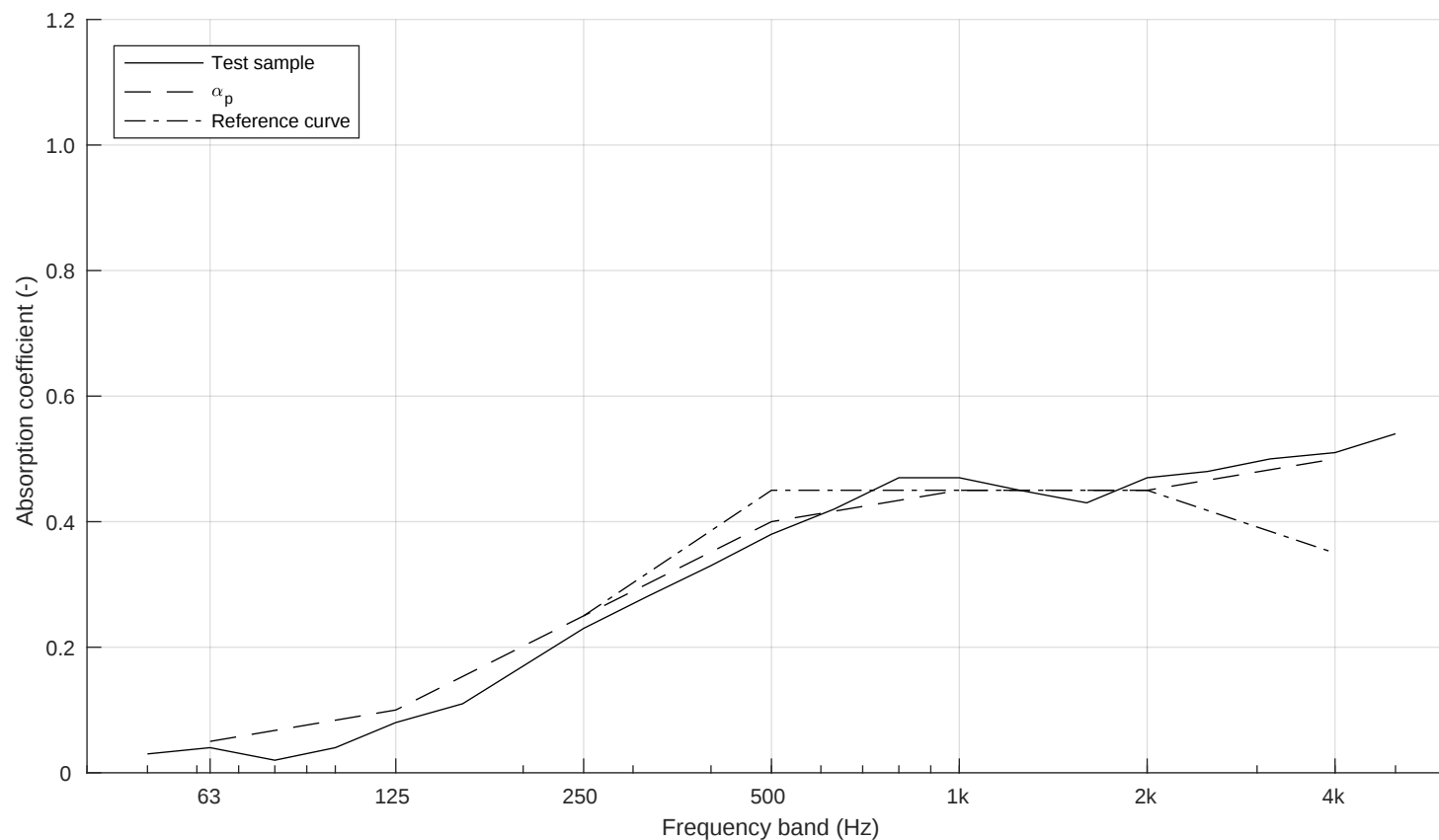
Air humidity: 59 % (empty: 57 %)

Air pressure: 98.2 kPa (empty: 98.2 kPa)

Size of specimen: 10 m²

Measurement date: 2017-06-08

Measured by: Carl Nyqvist



$\alpha_w = 0.45$

Absorption class = D