

fade® Acoustic Plaster - Albus 25 mm

SOUND ABSORPTION COEFFICIENT ACCORDING TO ISO 354 AND ISO 11654

Measurement of sound absorption coefficient in a reverberation room



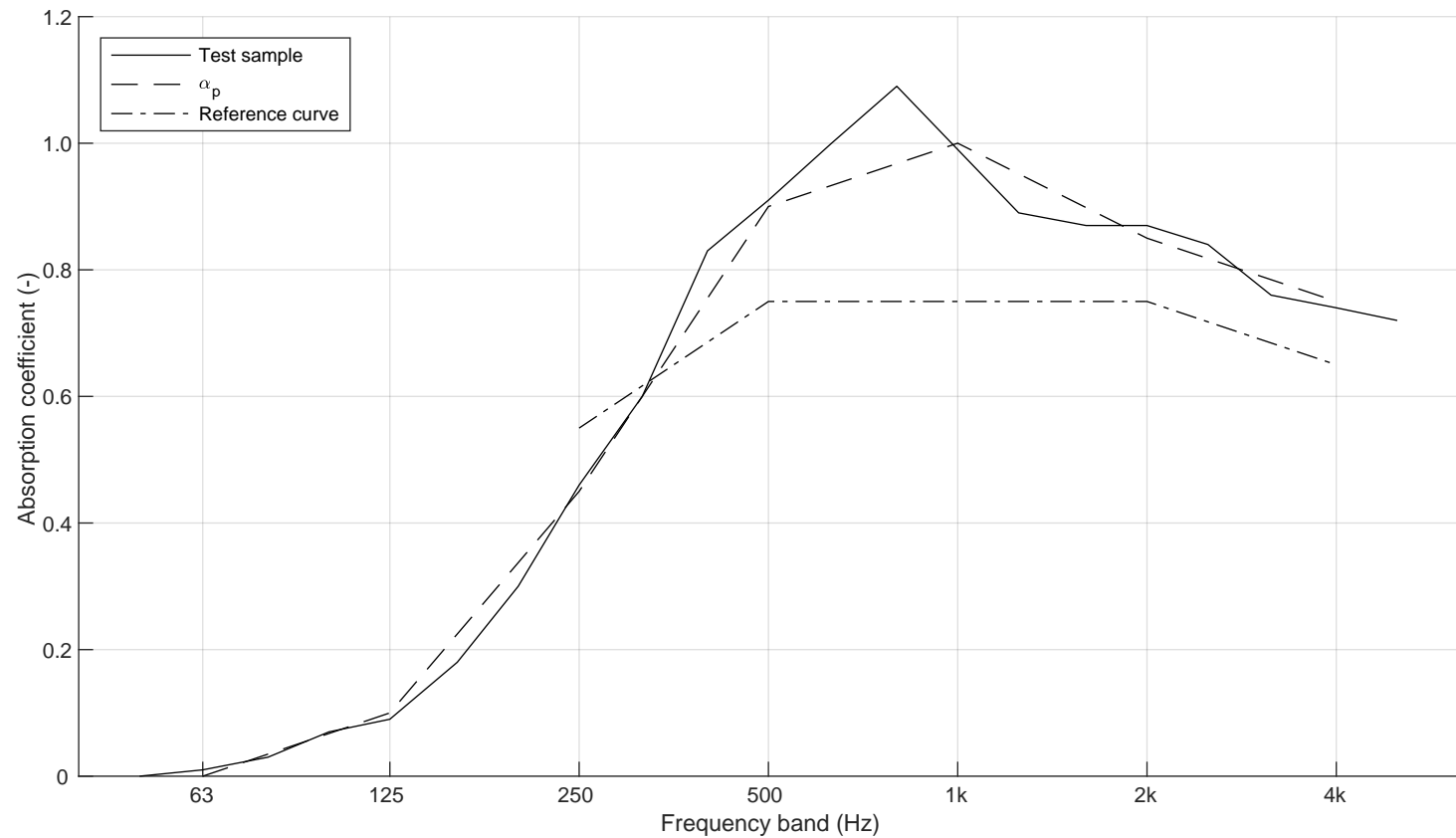
Report number:
18-727-M2
Date
2019-02-14

Frequency f [Hz]	Sound absorption coefficient	
	α_s	α_p
50	0.00	
63	0.01	0.00
80	0.03	
100	0.07	
125	0.09	0.10
160	0.18	
200	0.30	
250	0.46	0.45
315	0.60	
400	0.83	
500	0.91	0.90
630	1.00	
800	1.09	
1000	0.99	1.00
1250	0.89	
1600	0.87	
2000	0.87	0.85
2500	0.84	
3150	0.76	
4000	0.74	0.75
5000	0.72	

Client: Fade Acoustic Ceilings
 Manufacturer: Fade Acoustic Ceilings
 Product identification: fade® Acoustic - Albus 25 mm.
 Description of test specimen: 40mm fade® Acoustic Plaster - Albus Type A mounting.

Reverberation room volume: 200 m³
 Temperature: 18.4 °C (empty: 19.3 °C)
 Air humidity: 30 % (empty: 29 %)
 Air pressure: 99.3 kPa (empty: 99.3 kPa)
 Size of specimen: 10 m²

Measurement date: 2019-02-04
 Measured by: Carl Nyqvist



$\alpha_w = 0.75(M)$

Absorption class = C