

Soundwave Wicker Acoustic panel, set of 3x2 panels

SOUND ABSORPTION AREA ACCORDING TO ISO 354 AND SS 25269

Measurement of sound absorption area in a reverberation room



Report number:
17-159-M6
Date
2017-06-07

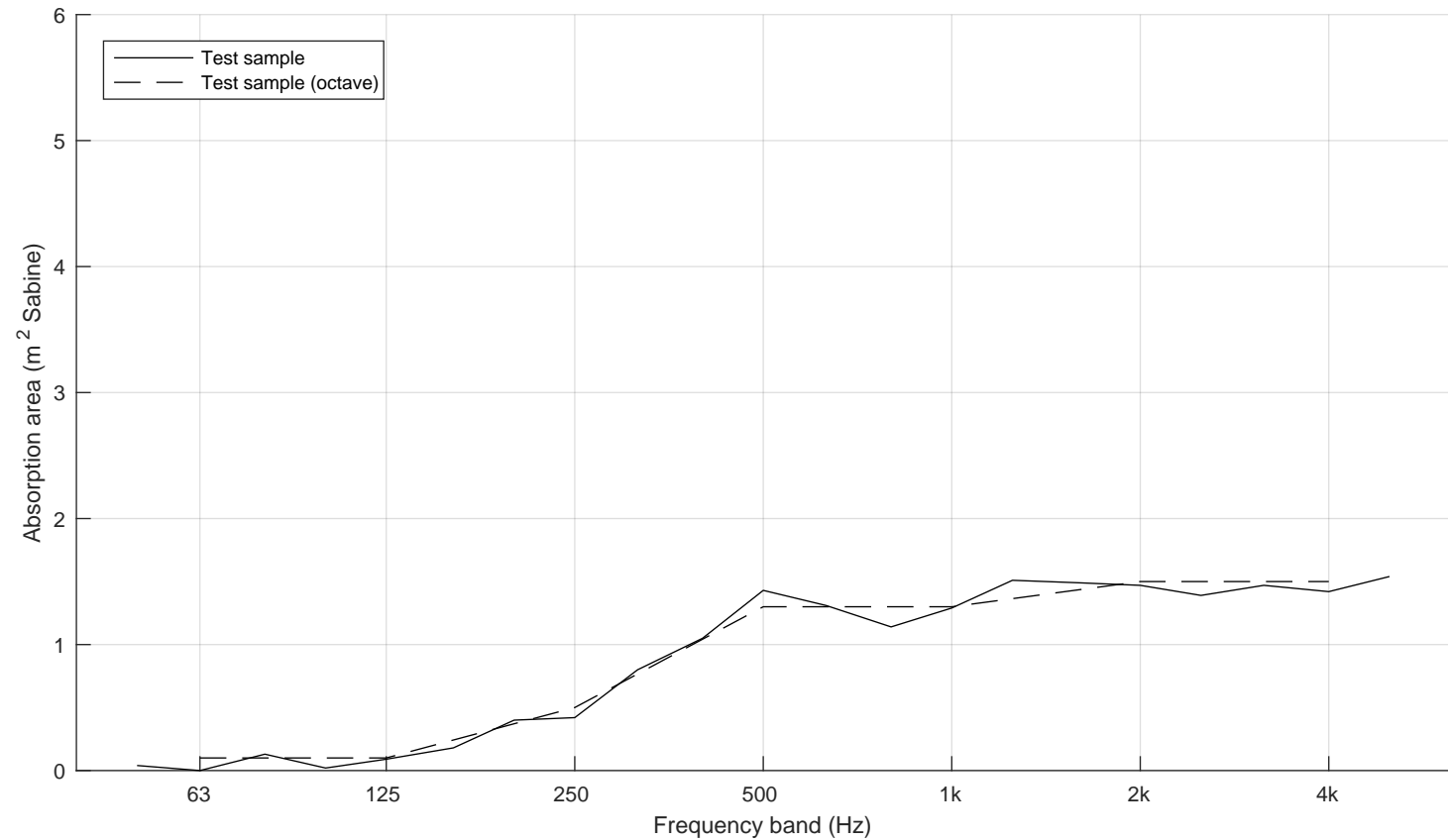
Frequency f [Hz]	Sound absorption area [m ² Sabine]	
50	0.04	
63	0.00	0.1
80	0.13	
100	0.02	
125	0.09	0.1
160	0.18	
200	0.40	
250	0.42	0.5
315	0.80	
400	1.05	
500	1.43	1.3
630	1.31	
800	1.14	
1000	1.29	1.3
1250	1.51	
1600	1.49	
2000	1.47	1.5
2500	1.39	
3150	1.47	
4000	1.42	1.5
5000	1.54	

Client: Offecct
 Manufacturer: Offecct
 Product identification: Soundwave Wicker

Description of test specimen: Absorber of moulded polyester fibre.
 Set of 3x2 panels, total object size: 1630 x 1110 x 60 mm.
 Placed directly on floor, type A mounting.

Reverberation room volume: 200 m³
 Temperature: 18.7 °C (empty: 19.0 °C)
 Air humidity: 64 % (empty: 57 %)
 Air pressure: 98.9 kPa (empty: 98.8 kPa)
 Number of specimens: 2

Measurement date: 2017-05-29
 Measured by: Carl Nyqvist



$N_{10} = 7.7$

Soundwave Wicker Acoustic panel

SOUND ABSORPTION COEFFICIENT ACCORDING TO ISO 354 AND ISO 11654

Measurement of sound absorption coefficient in a reverberation room



Report number:
17-159-M8
Date
2017-06-07

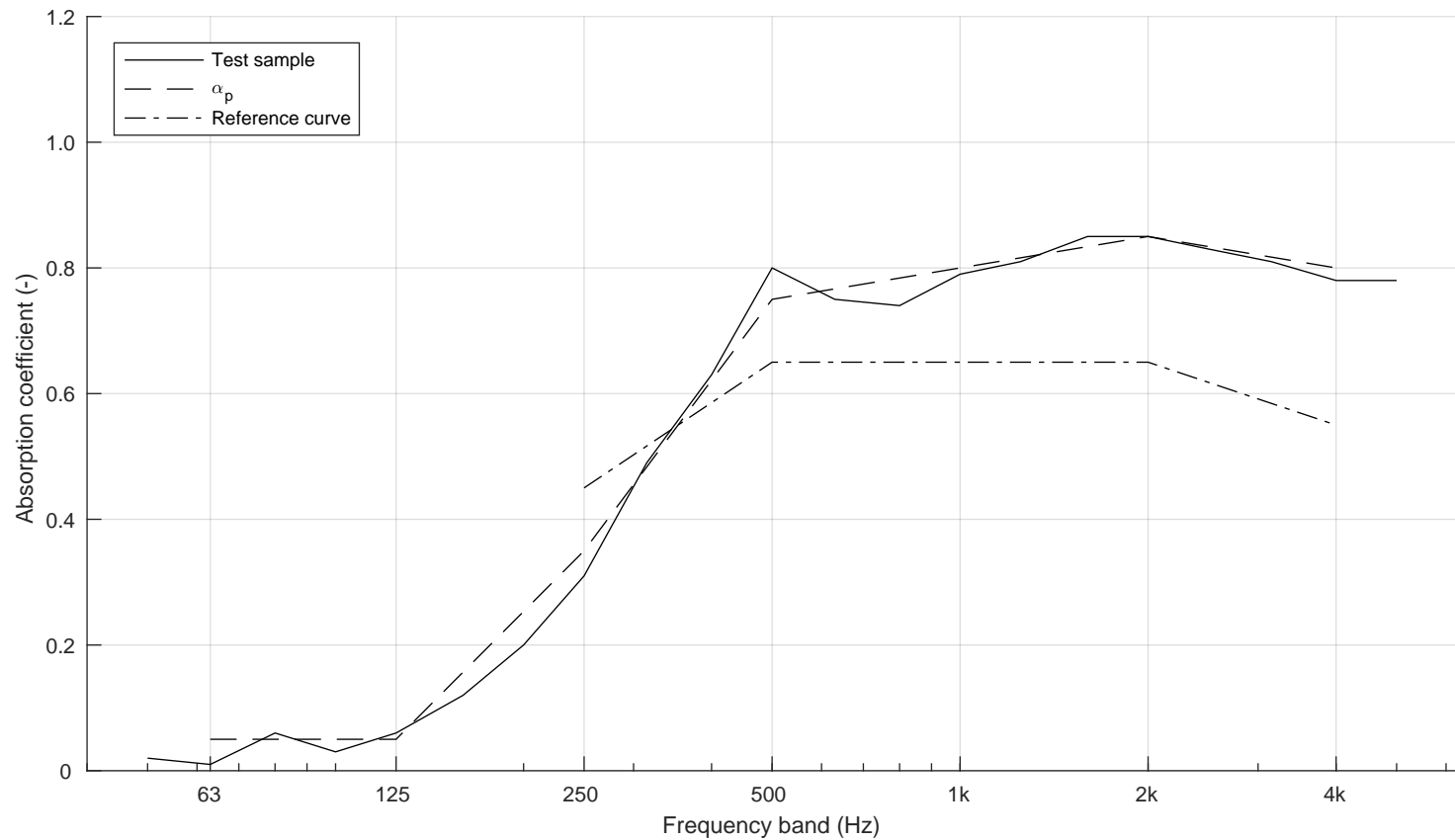
Frequency f [Hz]	Sound absorption coefficient	
	α_s	α_p
50	0.02	
63	0.01	0.05
80	0.06	
100	0.03	
125	0.06	0.05
160	0.12	
200	0.20	
250	0.31	0.35
315	0.49	
400	0.63	
500	0.80	0.75
630	0.75	
800	0.74	
1000	0.79	0.80
1250	0.81	
1600	0.85	
2000	0.85	0.85
2500	0.83	
3150	0.81	
4000	0.78	0.80
5000	0.78	

Client: Offecct
 Manufacturer: Offecct
 Product identification: Soundwave Wicker

Description of test specimen: Absorber of moulded polyester fibre.
 7x5 panels, each panel size: 585 x 60 mm.
 Placed directly on floor, type A mounting.

Reverberation room volume: 200 m³
 Temperature: 18.7 °C (empty: 19.0 °C)
 Air humidity: 64 % (empty: 57 %)
 Air pressure: 98.9 kPa (empty: 98.8 kPa)
 Size of specimen: 10 m²

Measurement date: 2017-05-29
 Measured by: Carl Nyqvist



$\alpha_w = 0.65(H)$

Absorption class = C

Soundwave Wicker Acoustic panel

SOUND ABSORPTION COEFFICIENT PER ASTM C423-09A

Measurement of sound absorption coefficient by the reverberation room method

Report number:

17-159-M15

Date

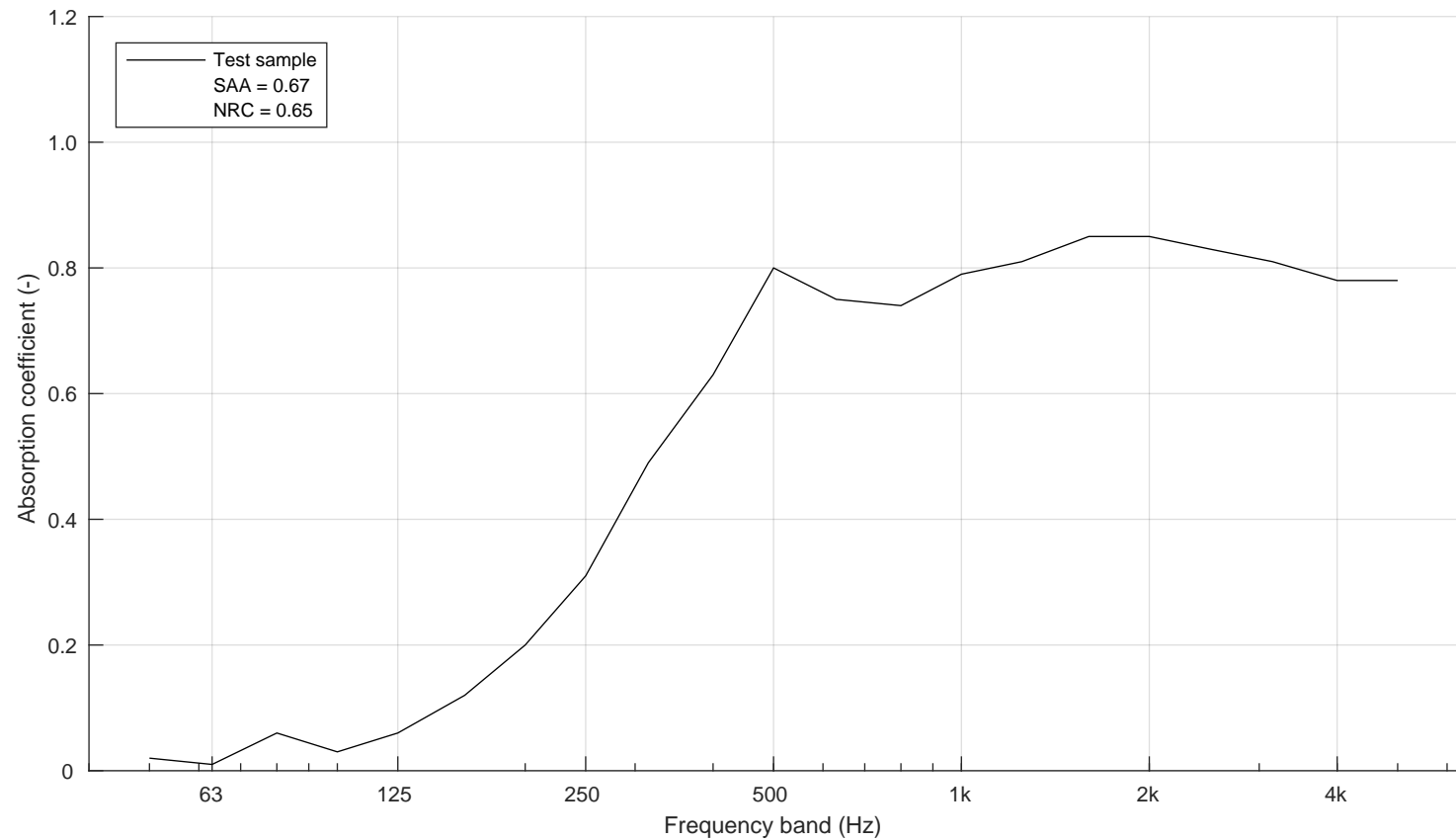
2017-06-07

Frequency f [Hz]	Sound absorption coefficient α
50	0.02
63	0.01
80	0.06
100	0.03
125	0.06
160	0.12
200	0.20
250	0.31
315	0.49
400	0.63
500	0.80
630	0.75
800	0.74
1000	0.79
1250	0.81
1600	0.85
2000	0.85
2500	0.83
3150	0.81
4000	0.78
5000	0.78

Client: Offecct
Manufacturer: Offect
Product identification: Soundwave Wicker

Description of test specimen: Absorber of moulded polyester fibre.
7x5 panels, each panel size: 585 x 585 x 60 mm.
Placed directly on floor, type A mounting.

Reverberation room volume: 200 m³
Temperature: 18.7 °C (empty: 19.0 °C)
Air humidity: 64 % (empty: 57 %)
Air pressure: 98.9 kPa (empty: 98.8 kPa)
Size of specimen: 10 m²
Area weight: kg/m²
Measurement date: 2017-05-29
Measured by: Carl Nyqvist



Sound Absorption Average (SAA): 0.67

Noise Reduction Coefficient (NRC): 0.65