

# 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

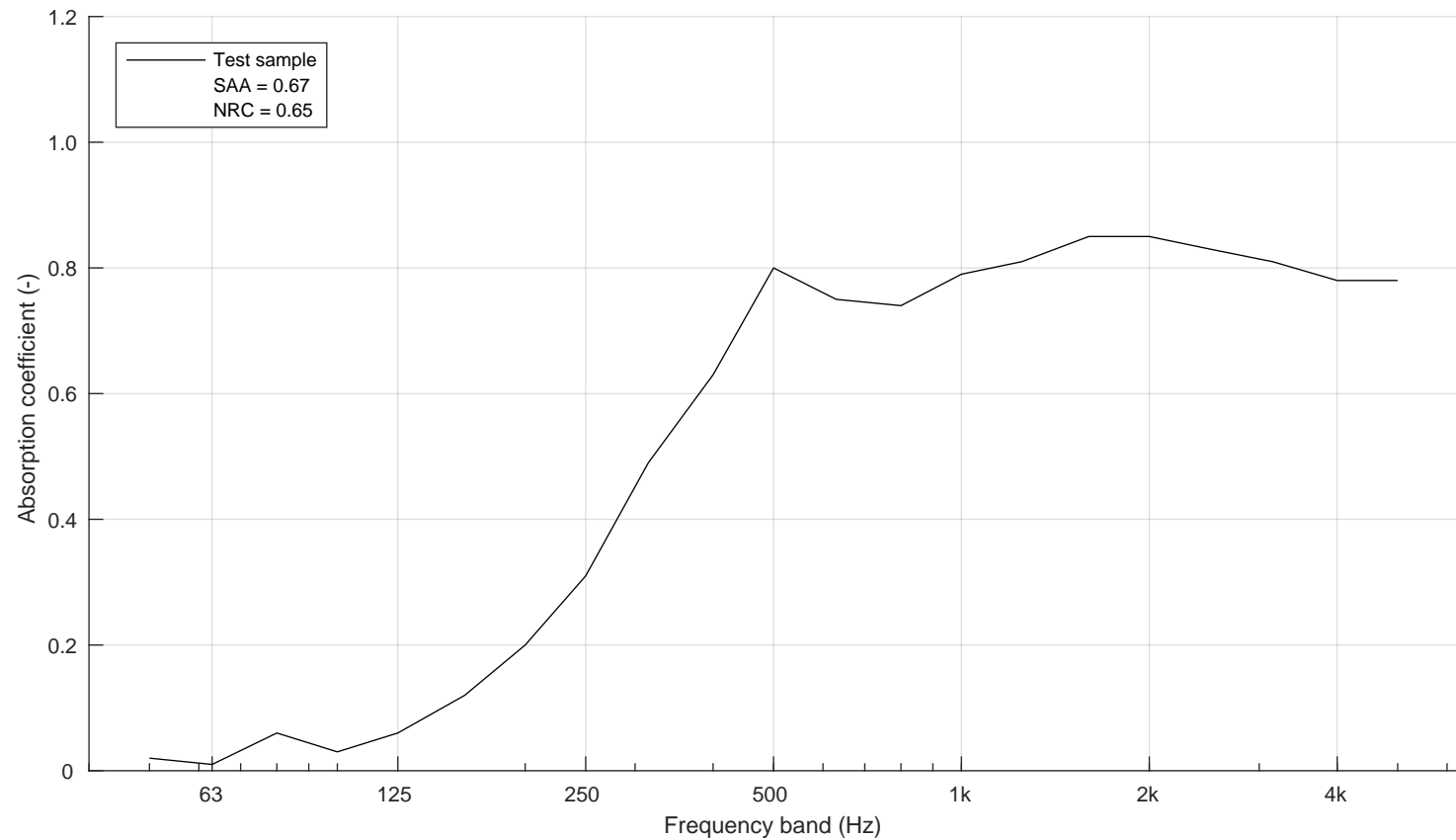
2017-06-07

Frequency f [Hz]	Sound absorption coefficient $\alpha$
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 m<sup>3</sup>  
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 m<sup>2</sup>  
Area weight: kg/m<sup>2</sup>  
Measurement date: 2017-05-29  
Measured by: Carl Nyqvist



Sound Absorption Average (SAA): 0.67

Noise Reduction Coefficient (NRC): 0.65