

# Akuframe 830 x 650 x 30 mm, Nate fabric

SOUND ABSORPTION AREA ACCORDING TO ISO 354 AND SS 25269

Measurement of sound absorption area in a reverberation room



Report number:  
**18-705-M4**  
Date  
**2018-06-20**

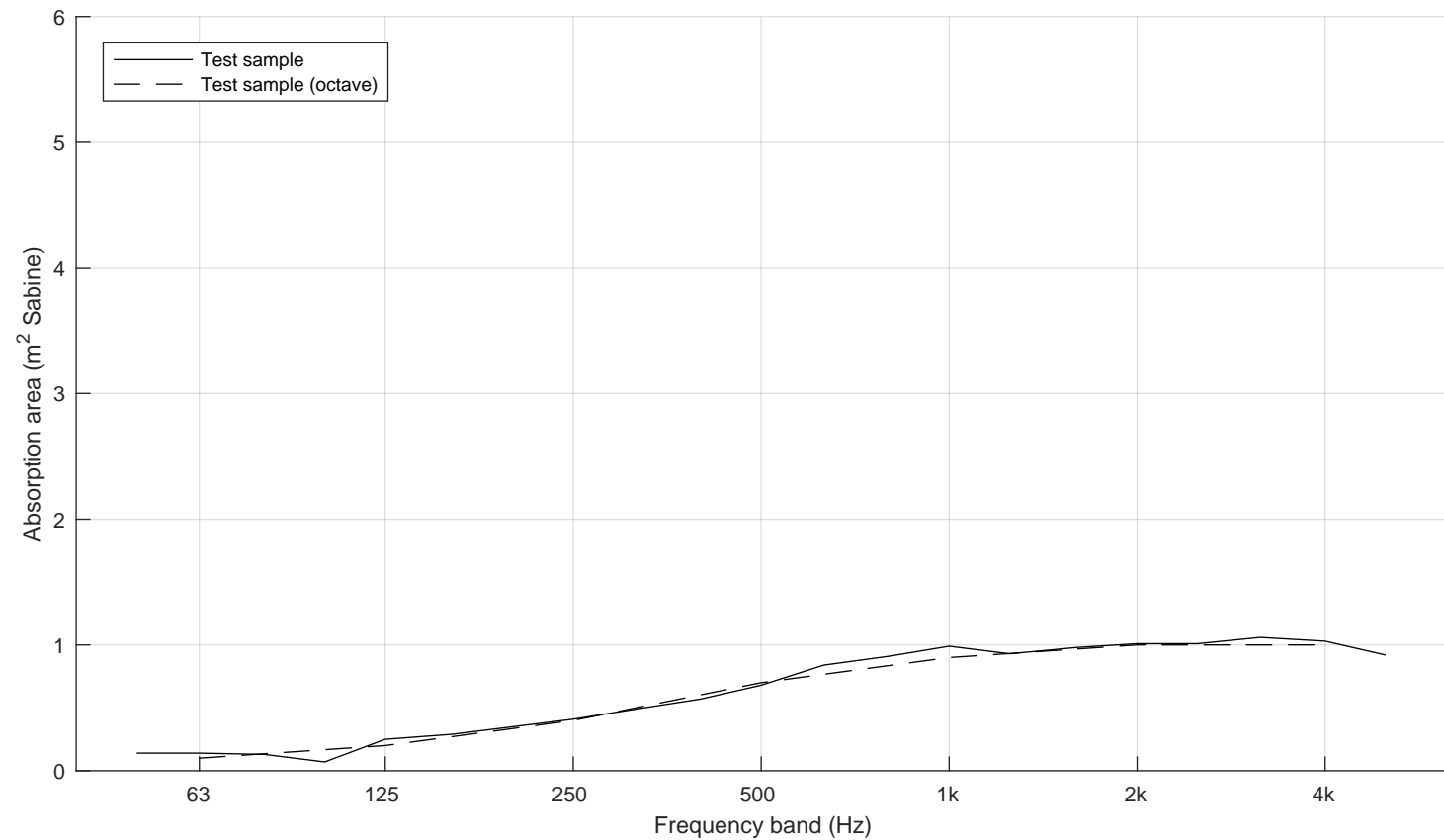
Frequency f [Hz]	Sound absorption area [m <sup>2</sup> Sabine]	
50	0.14	
63	0.14	0.1
80	0.13	
100	0.07	
125	0.25	0.2
160	0.29	
200	0.35	
250	0.41	0.4
315	0.49	
400	0.57	
500	0.68	0.7
630	0.84	
800	0.91	
1000	0.99	0.9
1250	0.93	
1600	0.98	
2000	1.01	1.0
2500	1.01	
3150	1.06	
4000	1.03	1.0
5000	0.92	

Client: Akustil Sweden AB  
Manufacturer: Akustil Sweden AB  
Product identification: Akuframe Nate, 830 x 650

Description of test specimen: Sound absorbing desktop screen with metal frame.  
Core of 100% recycled PET fibre dressed in Nate fabric (100% polyester).  
Size 830 x 630 x 30 mm.  
Mounted standing on floor.

Reverberation room volume: 200 m<sup>3</sup>  
Temperature: 18.8 °C (empty: 18.7 °C)  
Air humidity: 54 % (empty: 54 %)  
Air pressure: 99.0 kPa (empty: 99.0 kPa)  
Number of specimens: 3

Measurement date: 2018-06-20  
Measured by: Carl Nyqvist



$N_{10} = 14$