

# Akuframe 1600 x 650 x 30 mm, DESEYE 8720 fabric

SOUND ABSORPTION AREA ACCORDING TO ISO 354 AND SS 25269

Measurement of sound absorption area in a reverberation room



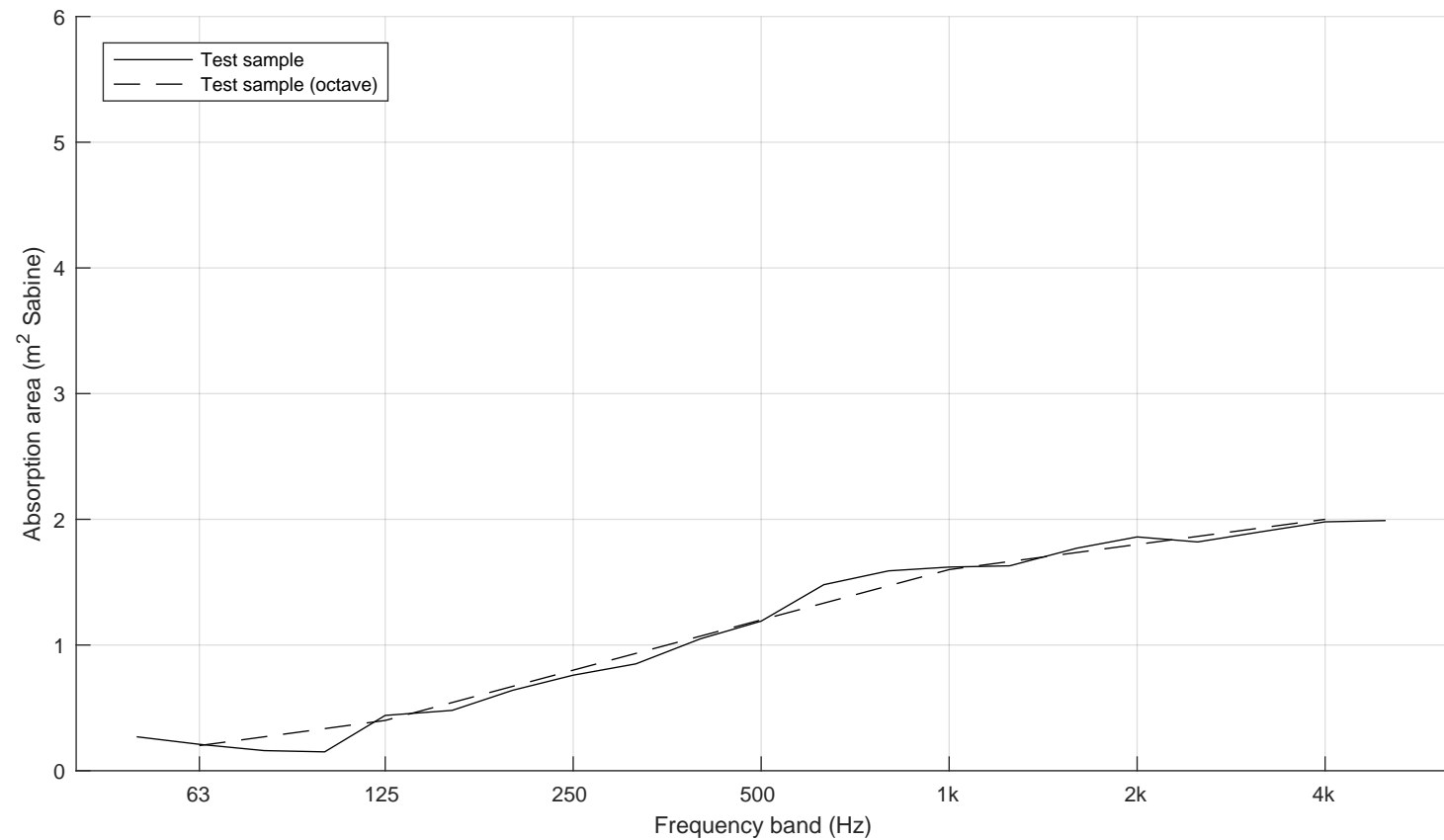
Report number:  
18-705-M2  
Date  
2018-06-20

Frequency f [Hz]	Sound absorption area [m <sup>2</sup> Sabine]	
50	0.27	
63	0.21	0.2
80	0.16	
100	0.15	
125	0.44	0.4
160	0.48	
200	0.64	
250	0.76	0.8
315	0.85	
400	1.05	
500	1.19	1.2
630	1.48	
800	1.59	
1000	1.62	1.6
1250	1.63	
1600	1.77	
2000	1.86	1.8
2500	1.82	
3150	1.90	
4000	1.98	2.0
5000	1.99	

Client: Akustil Sweden AB  
 Manufacturer: Akustil Sweden AB  
 Product identification: Akuframe DESEYE 8720, 1600 x 650

Description of test specimen: Sound absorbing desktop screen with metal frame.  
 Core of 100% recycled PET fibre dressed in DESEYE 8720 fabric (100% wool).  
 Size 1600 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



$$N_{10} = 8.3$$