

dB floor screen 1600 x 1500 x 30 mm

SOUND ABSORPTION AREA ACCORDING TO ISO 354 AND SS 25269

Measurement of sound absorption area in a reverberation room



Report number:
17-360-M2
Date
2018-01-23

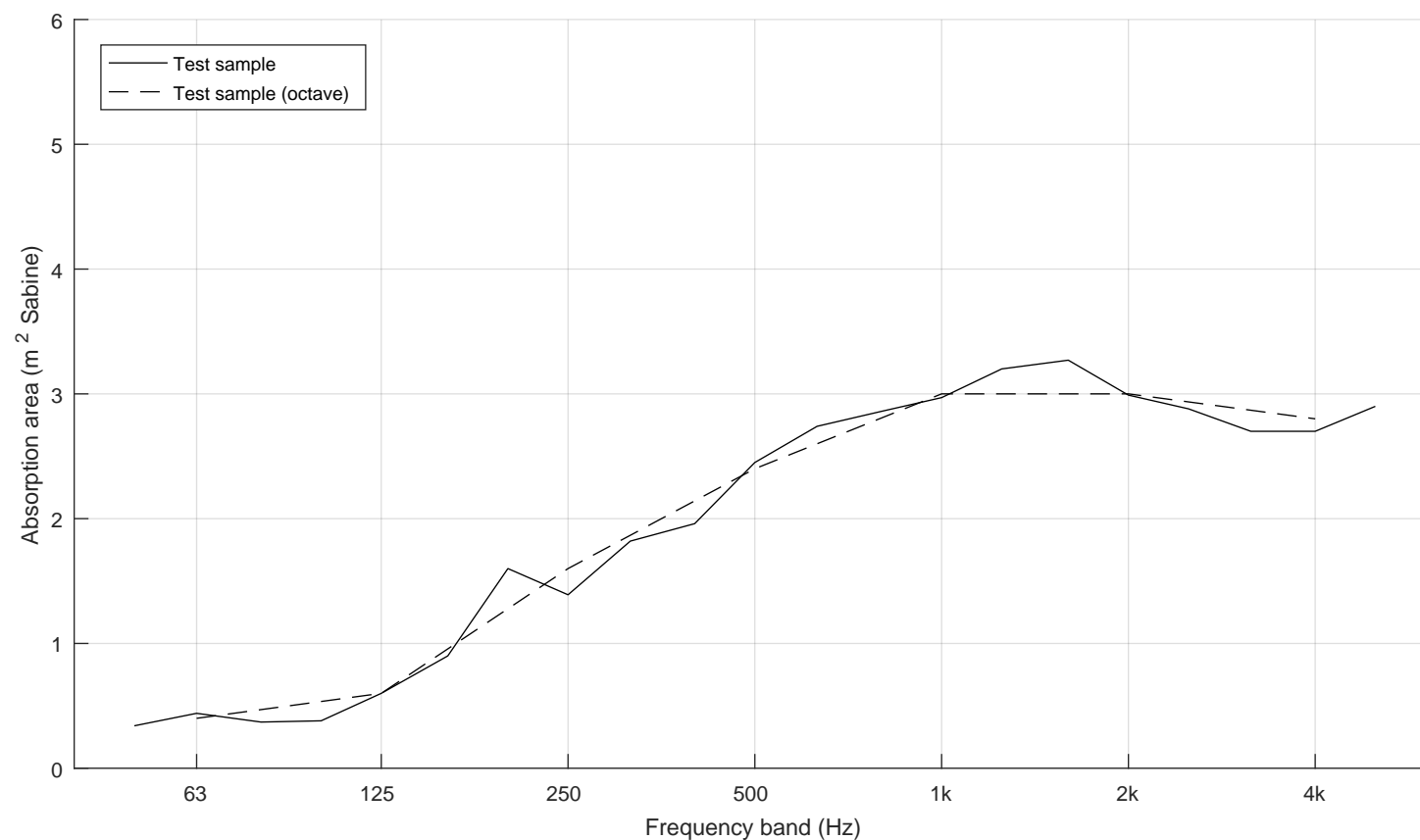
| Frequency f [Hz] | Sound absorption area [m ² Sabine] | |
|------------------------|---|-----|
| 50 | 0.34 | |
| 63 | 0.44 | 0.4 |
| 80 | 0.37 | |
| 100 | 0.38 | |
| 125 | 0.60 | 0.6 |
| 160 | 0.90 | |
| 200 | 1.60 | |
| 250 | 1.39 | 1.6 |
| 315 | 1.82 | |
| 400 | 1.96 | |
| 500 | 2.45 | 2.4 |
| 630 | 2.74 | |
| 800 | 2.86 | |
| 1000 | 2.97 | 3.0 |
| 1250 | 3.20 | |
| 1600 | 3.27 | |
| 2000 | 2.99 | 3.0 |
| 2500 | 2.88 | |
| 3150 | 2.70 | |
| 4000 | 2.70 | 2.8 |
| 5000 | 2.90 | |

Client: Abstracta
Manufacturer: Abstracta
Product identification: dB floor screen

Description of test specimen: Floor screen 1600 x 1500 x 30 mm standing on floor.

Reverberation room volume: 200 m³
Temperature: 17.0 °C (empty: 14.0 °C)
Air humidity: 36 % (empty: 41 %)
Air pressure: 96.0 kPa (empty: 96.0 kPa)
Number of specimens: 2

Measurement date: 2018-01-16
Measured by: Johan Jernstedt



$$N_{10} = 4.2$$