

Mollis 2400x1200

SOUND ABSORPTION AREA ACCORDING TO ISO 354 AND SS 25269

Measurement of sound absorption area in a reverberation room



Report number:
19-728-M5
Date
2019-07-10

| Frequency f [Hz] | Sound absorption area [m ² Sabine] | |
|------------------------|---|-----|
| 50 | 0.17 | |
| 63 | 0.29 | 0.3 |
| 80 | 0.33 | |
| 100 | 0.35 | |
| 125 | 0.94 | 0.9 |
| 160 | 1.28 | |
| 200 | 1.86 | |
| 250 | 1.88 | 2.0 |
| 315 | 2.12 | |
| 400 | 2.74 | |
| 500 | 3.35 | 3.2 |
| 630 | 3.59 | |
| 800 | 3.78 | |
| 1000 | 3.82 | 3.9 |
| 1250 | 3.98 | |
| 1600 | 3.80 | |
| 2000 | 3.55 | 3.6 |
| 2500 | 3.47 | |
| 3150 | 3.31 | |
| 4000 | 3.37 | 3.4 |
| 5000 | 3.41 | |

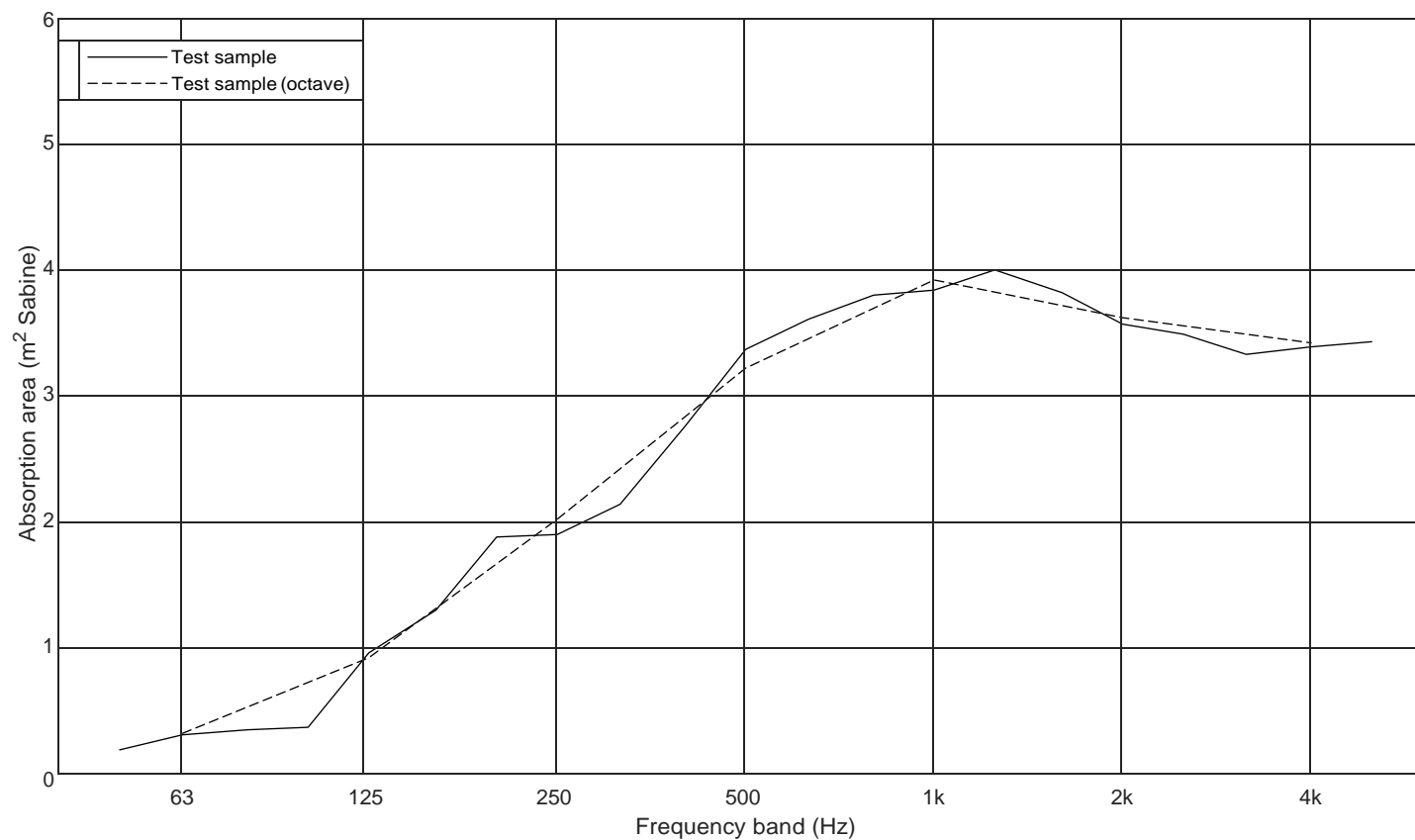
Client: Din Akustik
 Manufacturer: Din Akustik
 Product identification: Mollis

Description of test specimen: 2400x1200x50 mm 100% recycled PET covered with fabric.
 Placed directly on floor.

Reverberation room volume: 200 m³
 Temperature: 19.0 °C (empty: 19.0 °C)
 Air humidity: 57 % (empty: 55 %)
 Air pressure: 100.0 kPa (empty: 100.0 kPa)
 Number of specimens: 2

Measurement date: 2019-06-25

Measured by: Staffan Andersson



$$N_{10} = 3.1$$

Mollis 2400x1200 (50 mm air gap)

SOUND ABSORPTION AREA ACCORDING TO ISO 354 AND SS 25269

Measurement of sound absorption area in a reverberation room



Report number:
19-728-M6
Date
2019-07-10

| Frequency f [Hz] | Sound absorption area [m ² Sabine] | |
|------------------------|---|-----|
| 50 | 0.16 | |
| 63 | 0.28 | 0.3 |
| 80 | 0.42 | |
| 100 | 0.59 | |
| 125 | 1.15 | 1.1 |
| 160 | 1.58 | |
| 200 | 1.91 | |
| 250 | 2.42 | 2.3 |
| 315 | 2.71 | |
| 400 | 3.29 | |
| 500 | 3.88 | 3.8 |
| 630 | 4.10 | |
| 800 | 4.17 | |
| 1000 | 4.10 | 4.0 |
| 1250 | 3.78 | |
| 1600 | 3.66 | |
| 2000 | 3.56 | 3.7 |
| 2500 | 3.78 | |
| 3150 | 3.59 | |
| 4000 | 3.70 | 3.6 |
| 5000 | 3.53 | |

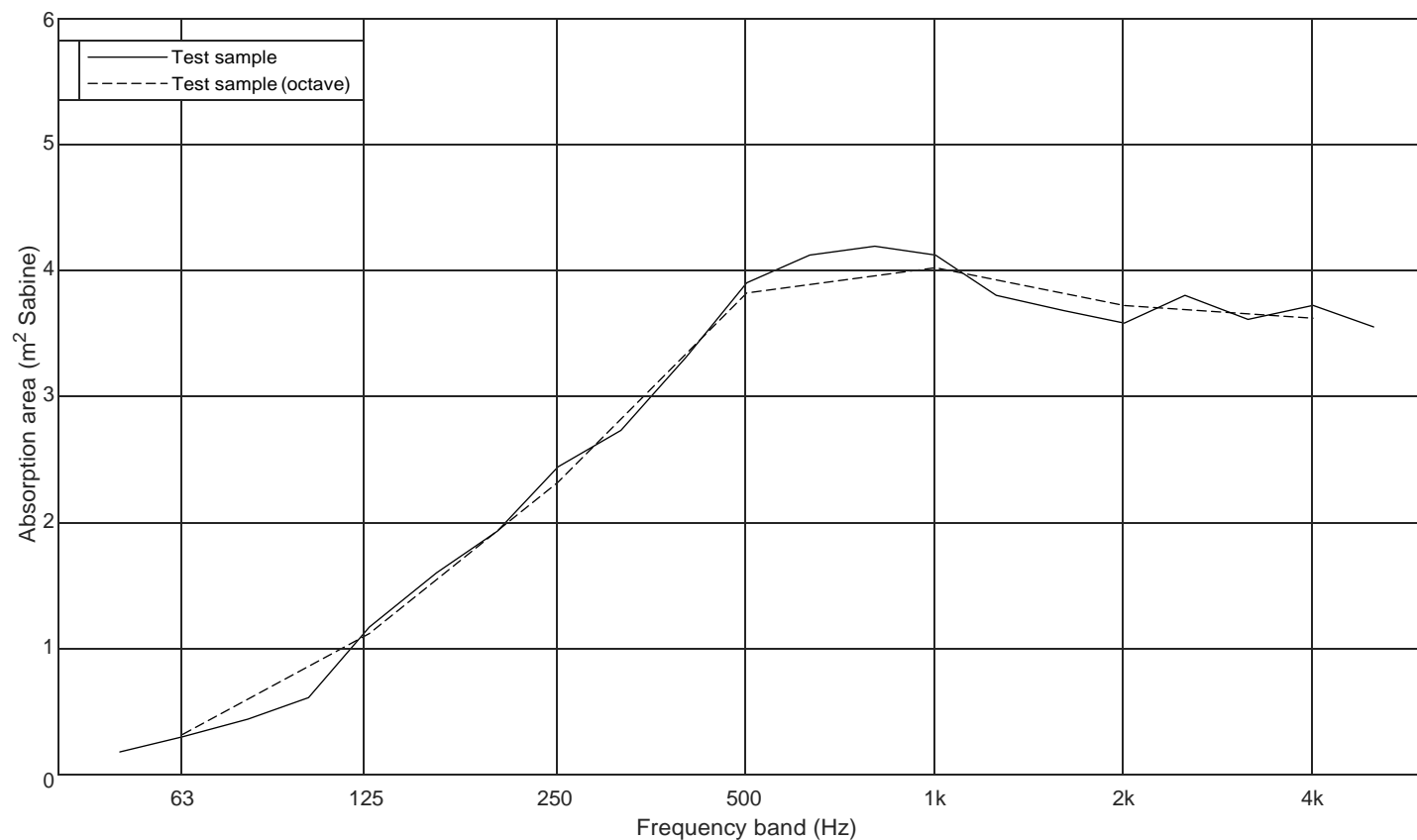
Client: Din Akustik
 Manufacturer: Din Akustik
 Product identification: Mollis

Description of test specimen: 2400x1200x50 mm, 100% recycled PET. Placed on 50 mm thick blocks.

Reverberation room volume: 200 m³
 Temperature: 19.0 °C (empty: 19.0 °C)
 Air humidity: 57 % (empty: 55 %)
 Air pressure: 100.0 kPa (empty: 100.0 kPa)
 Number of specimens: 2

Measurement date: 2019-06-25

Measured by: Staffan Andersson



$$N_{10} = 2.8$$