

Offecct Wind B, C and D in a group, 10 mm foam

SOUND ABSORPTION AREA ACCORDING TO ISO 354 AND SS 25269

Measurement of sound absorption area in a reverberation room



Report number:
16-209-M8
Date
2016-09-26

| Frequency f [Hz] | Sound absorption area [m ² Sabine] | |
|------------------------|---|-----|
| 50 | 0.71 | |
| 63 | 0.66 | 0.7 |
| 80 | 0.71 | |
| 100 | 0.93 | |
| 125 | 0.51 | 0.9 |
| 160 | 1.13 | |
| 200 | 1.69 | |
| 250 | 2.02 | 2.0 |
| 315 | 2.22 | |
| 400 | 3.09 | |
| 500 | 3.25 | 3.4 |
| 630 | 3.74 | |
| 800 | 4.08 | |
| 1000 | 4.09 | 4.3 |
| 1250 | 4.61 | |
| 1600 | 4.87 | |
| 2000 | 5.05 | 5.0 |
| 2500 | 5.15 | |
| 3150 | 5.08 | |
| 4000 | 5.11 | 5.1 |
| 5000 | 5.11 | |

Client: Offecct
 Manufacturer: Offecct
 Product identification: Wind B, C and D - 10 mm foam backing on fabric

Description of test specimen: A group of 3 differently shaped sound absorbing screens placed directly on the floor. The screens consist of a tubular frame with a double foam laminated fabric. Foam thickness 10 mm.

Reverberation room volume: 200 m³
 Temperature: 15.3 °C (empty: 15.3 °C)
 Air humidity: 73% (empty: 73%)
 Air pressure: 99.6 kPa (empty: 99.6 kPa)
 Number of specimens: 1

Measurement date: 2016-09-23
 Measured by: Johan Jernstedt

$N_{10} = 2.9$

