

Lintex Whiteboard

SOUND ABSORPTION AREA

Measurement of sound absorption area in a reverberation room

Report number:

13-120-R4-M1c

Date

2014-06-02

| Frequency f [Hz] | Sound absorption area [m ² Sabine] | |
|------------------------|---|-----|
| 50 | 0.06 | |
| 63 | 0.06 | 0.1 |
| 80 | 0.12 | |
| 100 | 0.24 | |
| 125 | 0.41 | 0.5 |
| 160 | 0.91 | |
| 200 | 0.62 | |
| 250 | 0.47 | 0.5 |
| 315 | 0.28 | |
| 400 | 0.22 | |
| 500 | 0.20 | 0.2 |
| 630 | 0.23 | |
| 800 | 0.06 | |
| 1000 | 0.07 | 0.1 |
| 1250 | 0.03 | |
| 1600 | 0.13 | |
| 2000 | 0.02 | 0.1 |
| 2500 | 0.11 | |
| 3150 | 0.13 | |
| 4000 | 0.15 | 0.1 |
| 5000 | 0.00 | |

Client: Lintex
Manufacturer: Lintex
Product identification: Whiteboard, prov 1
Description of test specimen: 1225 x 900 mm, thickness 40mm
Type A mounting
0,5mm plåt, 10mm honey, 30mm fyllning

Reverberation room volume: 200 m³
Temperature: 11 °C (empty: 11 °C)
Air humidity: 73 % (empty: 71 %)
Air pressure: 98.7 kPa (empty: 98.6 kPa)
Number of specimens: 1

Measurement date: 2014-05-13

Measured by: Carl Nyqvist

