

# FeltScreen desk screen 1800 x 650 x 50 mm

SOUND ABSORPTION AREA ACCORDING TO ISO 354 AND SS 25269

Measurement of sound absorption area in a reverberation room



Report number:  
16-193-M2  
Date  
2016-11-07

| Frequency<br>f<br>[Hz] | Sound absorption<br>area<br>[m <sup>2</sup> Sabine] |     |
|------------------------|---|-----|
| 50                     | 0.43  |     |
| 63                     | 0.35  | 0.3 |
| 80                     | 0.23  |     |
| 100                    | 0.28  |     |
| 125                    | 0.48  | 0.5 |
| 160                    | 0.69  |     |
| 200                    | 0.83  |     |
| 250                    | 0.89  | 0.9 |
| 315                    | 0.97  |     |
| 400                    | 1.05  |     |
| 500                    | 1.28  | 1.2 |
| 630                    | 1.33  |     |
| 800                    | 1.41  |     |
| 1000                   | 1.52  | 1.5 |
| 1250                   | 1.60  |     |
| 1600                   | 1.64  |     |
| 2000                   | 1.66  | 1.7 |
| 2500                   | 1.80  |     |
| 3150                   | 1.78  |     |
| 4000                   | 1.94  | 1.9 |
| 5000                   | 2.06  |     |

Client: Rom & Tonik AS  
 Manufacturer: Rom & Tonik AS  
 Product identification: FeltScreen  
 Description of test specimen: Mounted standing on floor.  
 1800 x 650 x 50 mm.

Reverberation room volume: 200 m<sup>3</sup>  
 Temperature: 22.2 °C (empty: 24.8 °C)  
 Air humidity: 36 % (empty: 32 %)  
 Air pressure: 100.0 kPa (empty: 100.0 kPa)  
 Number of specimens: 3

Measurement date: 2016-10-24  
 Measured by: Carl Nyqvist

$N_{10} = 8.3$

