

Sound absorption coefficient according to ISO 354, DIN EN ISO 11654, ASTM C 423

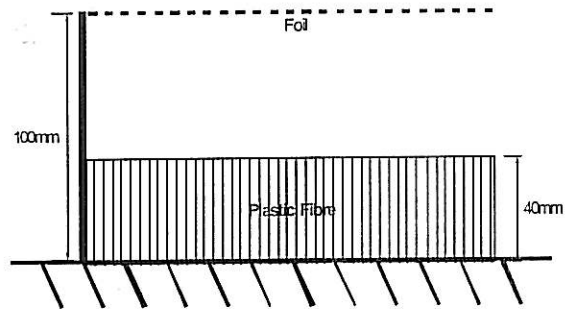
On behalf of: Normalu S.A., Rue du Sipes, 68680 Kembs

Object:

Barrisol® Type Trempodesign 1

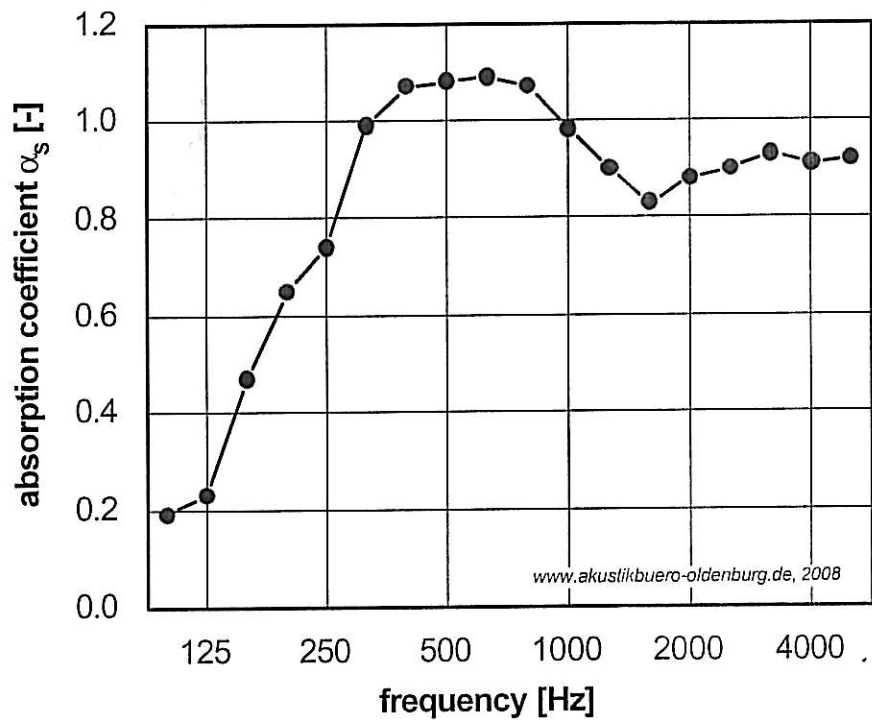
Assembly:

- 100 mm distance to the floor
- sides tightly closed
- 40mm plastic fibre (Edilfibre)



Sound absorption coefficient α_s according to DIN EN ISO 354

| Frequency [Hz] | α_s [-] |
|----------------|----------------|
| 100 | 0.19 |
| 125 | 0.23 |
| 160 | 0.47 |
| 200 | 0.65 |
| 250 | 0.74 |
| 315 | 0.99 |
| 400 | 1.07 |
| 500 | 1.08 |
| 630 | 1.09 |
| 800 | 1.07 |
| 1000 | 0.98 |
| 1250 | 0.90 |
| 1600 | 0.83 |
| 2000 | 0.88 |
| 2500 | 0.90 |
| 3150 | 0.93 |
| 4000 | 0.91 |
| 5000 | 0.92 |



Practical Sound absorption coefficient α_p according to DIN EN ISO 11654

| Frequency [Hz] | α_p [-] |
|----------------|----------------|
| 125 | 0.30 |
| 250 | 0.80 |
| 500 | 1.00 |
| 1000 | 1.00 |
| 2000 | 0.90 |
| 4000 | 0.90 |

NRC = 0.90
SAA = 0.93
 $\alpha_w = 1.00$
Sound Absorption Class A

Rev. chamber: ITAP GmbH
Date: 21.08.2008
Volume: 200 m³
Specimen size: 12 m²
Temperature: 19 °C
Humidity: 80 %



Akustikbüro Oldenburg

Dr. Christian Nocke

Oldenburg, October 9th, 2008

Signature: