

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

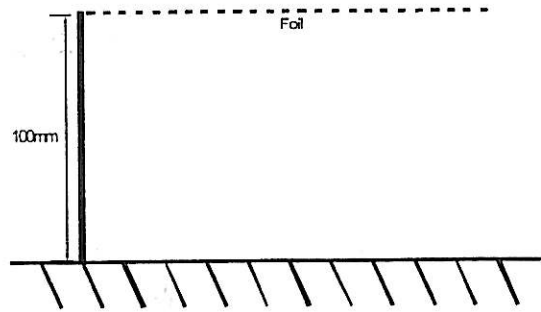
On behalf of: Normalu S.A., Rue du Sipes, 68680 Kembs

Object:

Barrisol® Type Trempodesign 1

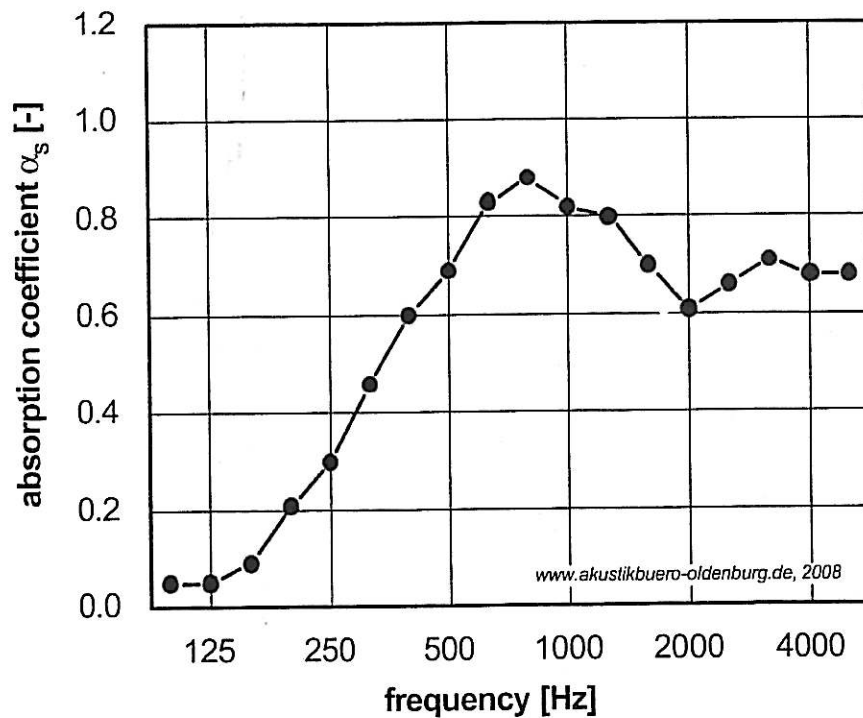
Assembly:

- 100 mm distance to the floor
- sides tightly closed



Sound absorption coefficient α_s according to DIN EN ISO 354

Frequency [Hz]	α_s [-]
100	0.05
125	0.05
160	0.09
200	0.21
250	0.30
315	0.46
400	0.60
500	0.69
630	0.83
800	0.88
1000	0.82
1250	0.80
1600	0.70
2000	0.61
2500	0.66
3150	0.71
4000	0.68
5000	0.68



Practical Sound absorption coefficient α_p according to DIN EN ISO 11654

Frequency [Hz]	α_p [-]
125	0.10
250	0.30
500	0.70
1000	0.80
2000	0.70
4000	0.70

NRC = 0.60

SAA = 0.63

$\alpha_w = 0.60$

Sound Absorption Class C

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:

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

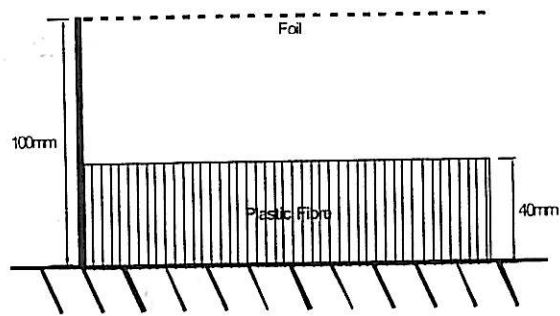
On behalf of: Normalu S.A., Rue du Sipes, 68680 Kembs

Object:

Barrisol® Type Trempodesign 1

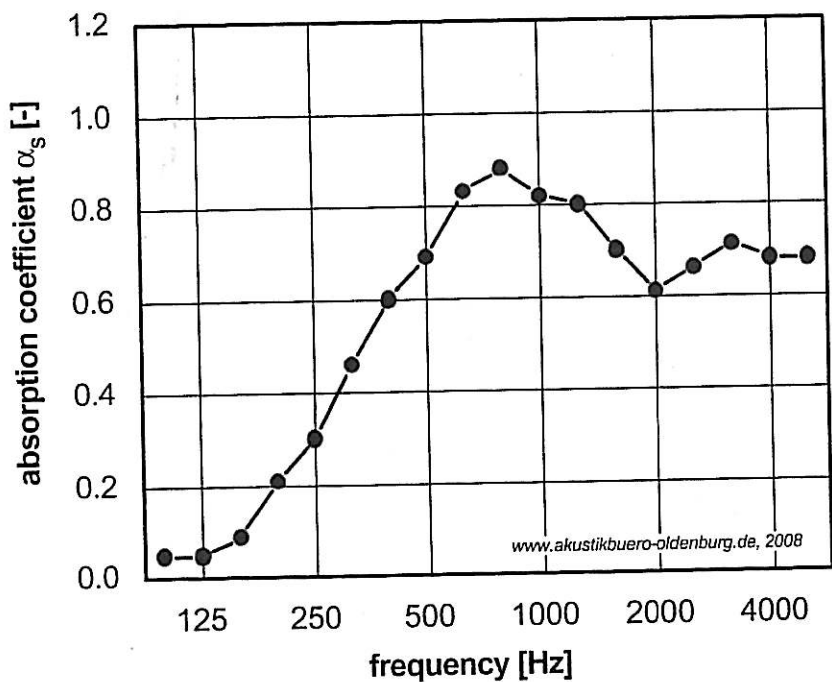
Assembly:

- 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 %



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