



December 20, 1996

96F32991-05

Measurement of sound absorption coefficient

Test Measurement of sound absorption coefficient in a reverberation room according to EN 20354 (ISO 354).

Client Rockfon A/S
Vagn Boe Hansen

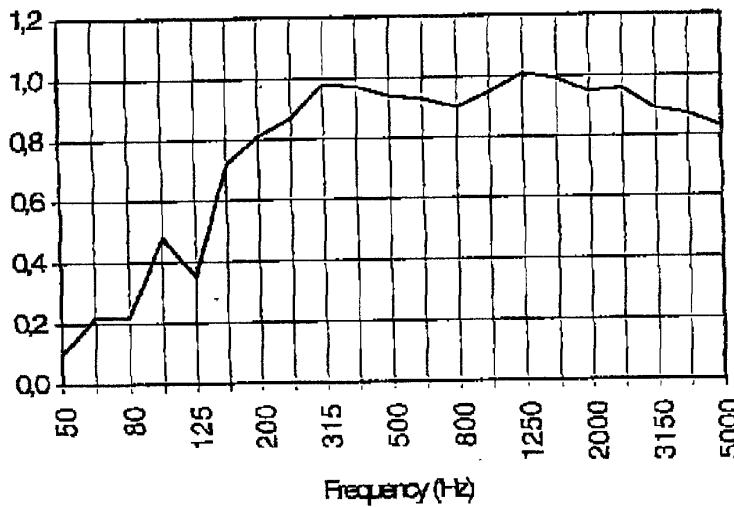
Object Rockfon Hygienic, Roxull Hygienic
Sample no. 56-96
Thickness: 40 mm.
Panel size: 1200 mm x 600 mm.

Date of test December 19, 1996

Conditions Mounting depth: 200 mm.
Surface area: 10,8 m².
Room volume: 200 m³.
Temperature: 17,0 °C.
Relative humidity: 81,0 %.

Result Sound absorption class A according to ISO/DIS 11654.
Weighted sound absorption coefficient $\alpha_w = 0,95$ according to ISO/DIS 11654.
Sound absorption class A according to SS 025260.
Weighted sound absorption coefficient $\alpha_w = 0,9$ according to SS 025259.

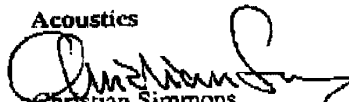
Sound absorption coefficient




Frequency (Hz)	α_w
50	0.10
63	0.22
80	0.22
100	0.48
125	0.35
160	0.72
200	0.81
250	0.87
315	0.98
400	0.97
500	0.94
630	0.93
800	0.90
1000	0.95
1250	1.01
1600	0.99
2000	0.95
2500	0.96
3150	0.89
4000	0.87
5000	0.83

NRC = 0.95

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