



English Department

Document Date:
May 14, 1993

Reference Number:
92F31303-03

Handled by:

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For reference: Your reference

Measurement of sound absorption coefficient

Test Measurement of sound absorption coefficient in a reverberation room according to ISO-354.

Applicant Rockfon A/S

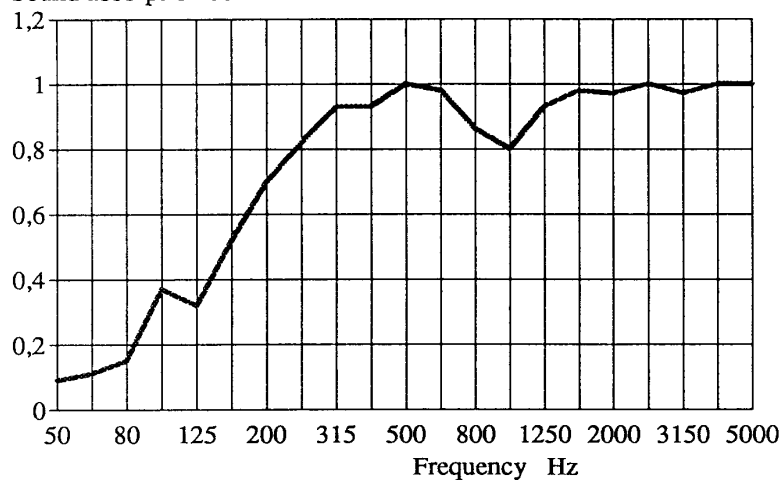
Object Rockfon Hygiejnebatts / Roxull Hygienskiva.
Thickness: 20 mm. Panel size: 600 mm x 1200 mm.
Mass per square metre 1,60 kg/m².

Date of test May 13, 1993

Conditions Mounting depth: 200 mm
Surface area: 10.8 m²
Room volume: 200 m³
Temperature and relative humidity: 22°C and 77 % respectively.

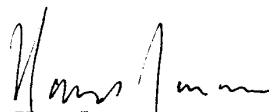
Result Sound absorption class according to Swedish standard SS 025260: A
The sound absorption coefficient is given below.

Sound absorption coefficient



Frequency	Curve 1
50	0.09
63	0.11
80	0.15
100	0.37
125	0.32
160	0.52
200	0.70
250	0.82
315	0.93
400	0.93
500	1.00
630	0.98
800	0.86
1000	0.80
1250	0.93
1600	0.98
2000	0.97
2500	1.00
3150	0.97
4000	1.00
5000	1.00

$\alpha_w = 0,9$


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