

**SOUND ABSORPTION COEFFICIENT α_s
OF SUSPENDED CEILING**

Test 5
Date 14/01/08
Station ALPHA

AA45

REQUESTER, MANUFACTURER ROCKFON. ROCKWOOL A/S
NAME Sonar Plan dB 44, Krios dB 44, Ekla dB 44
APTITUDE IN THE EMPLOYMENT Unchecked

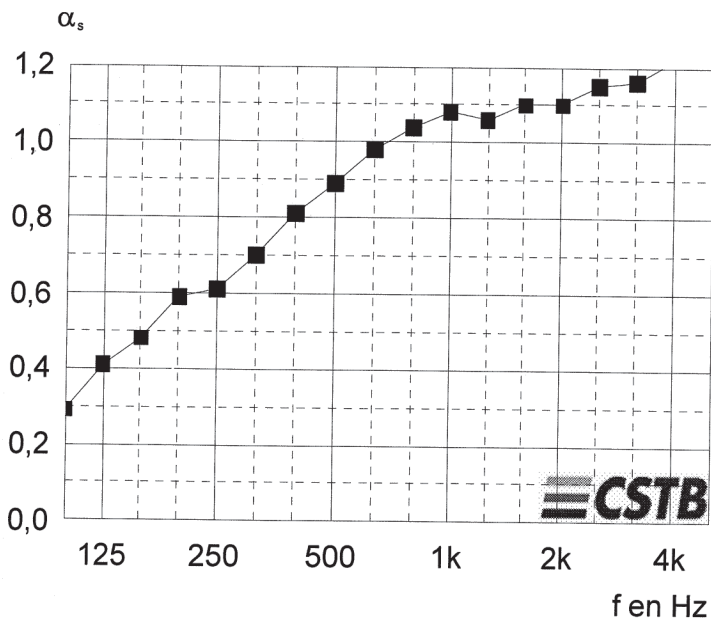
MAIN CHARACTERISTIC

Dimensions of one panel in mm : 1200 x 600
Thickness of one panel in mm : 50
Weight per unit of area in kg/m² : 7.6
Dimensions of sample in mm : 3000 x 3600
Installation type : E-250

CONDITIONS OF MEASUREMENT

EMPTY ROOM : Temperature : 24 °C
Relative humidity : 39 %
ROOM WITH SAMPLE : Temperature : 24 °C
Relative humidity : 34 %

RESULTS



f	α_s
100	0,29
125	0,41
160	0,48
200	0,59
250	0,61
315	0,70
400	0,81
500	0,89
630	0,98
800	1,04
1000	1,08
1250	1,06
1600	1,10
2000	1,10
2500	1,15
3150	1,16
4000	1,22
5000	1,33
Hz	

$\alpha_w = 0,90$
classement : A