

**SOUND ABSORPTION COEFFICIENT α_s
OF SUSPENDED CEILING PANELS**

Test 9
Date 08/21/15
Station ALPHA

AA45

REQUESTER, MANUFACTURER SAINT-GOBAIN ECOPHON
NAME Master F 40 mm
FITNESS FOR PURPOSE Unchecked
CONFIGURATION 60 mm overall depth of construction

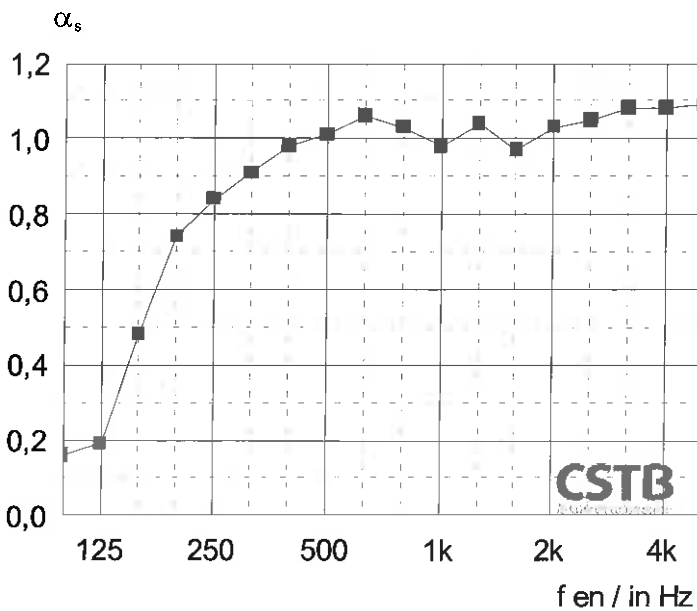
MAIN CHARACTERISTICS

Dimensions in mm : 3000 x 3600
Area in m² : 10.8
Thickness in mm : 40
Mass per unit area in kg/m²: 4.4
Mounting type : E-60

MEASUREMENT CONDITIONS

Empty room: Temperature: 22.3°C
Relative humidity: 70 %
Room with sample: Temperature: 23.3°C
Relative humidity: 64%

RESULTS



f	α_s
100	0,16
125	0,19
160	0,48
200	0,74
250	0,84
315	0,91
400	0,98
500	1,01
630	1,06
800	1,03
1000	0,98
1250	1,04
1600	0,97
2000	1,03
2500	1,05
3150	1,08
4000	1,08
5000	1,09
Hz	

$\alpha_w = 1,00$
classement / class: A