

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

Test 1
Date 14/05/14
Station ALPHA

AA45

REQUESTER, MANUFACTURER SAINT GOBAIN ECOPHON
NAME Master A 40 mm
FITNESS FOR PURPOSE Unchecked
STANDARDS EN ISO 354, EN ISO 11654, prEN 16487
CONFIGURATION 50 mm overall depth of construction

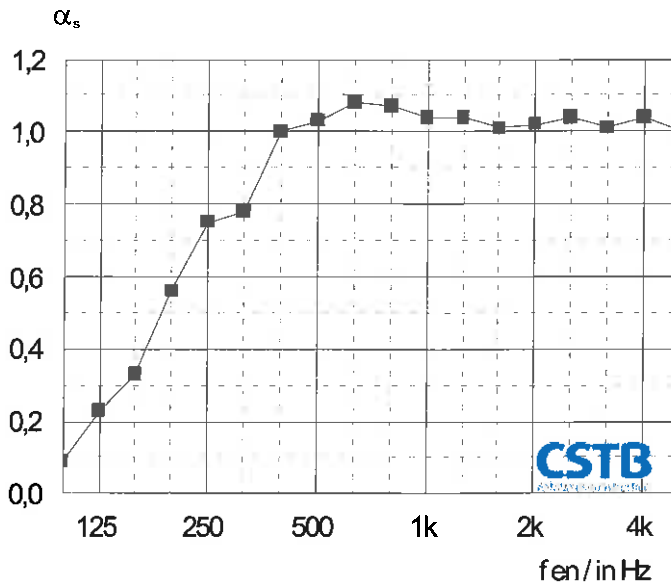
MAIN CHARACTERISTICS

Dimensions in mm : 2960 x 3550
Area in m² : 10.5
Thickness in mm : 40
Mass per unit area in kg/m²: 2.6
Mounting type : E-50

MEASUREMENT CONDITIONS

Empty room: Temperature: 18.0°C
Relative humidity: 62%
Room with sample: Temperature: 19.0°C
Relative humidity: 59%

RESULTS



f	α_s
100	0,09
125	0,23
160	0,33
200	0,56
250	0,75
315	0,78
400	1,00
500	1,03
630	1,08
800	1,07
1000	1,04
1250	1,04
1600	1,01
2000	1,02
2500	1,04
3150	1,01
4000	1,04
5000	1,00
Hz	

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

It is strongly recommended to use this single number rating in combination with the complete sound absorption coefficient curve.