

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

Test 7
Date 28/01/16
Station ALPHA

AA45

REQUESTER, MANUFACTURER SAINT-GOBAIN ECOPHON
NAME Master Rigid E
STANDARDS EN ISO 354, EN ISO 11654, EN 16487
CONFIGURATION Total depth of construction: 200 mm
FITNESS FOR PURPOSE Unchecked

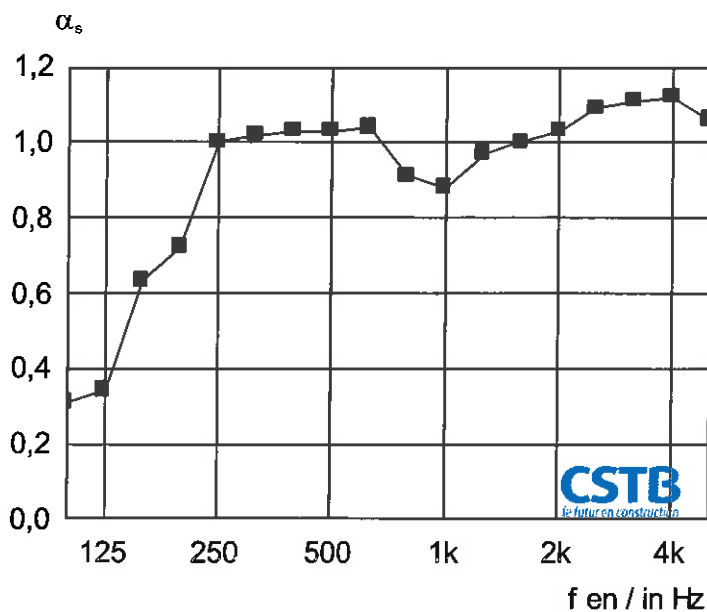
MAIN CHARACTERISTICS

Dimensions in mm : 3500 x 2930
Area in m² : 10.26
Thickness in mm : 20
Mass per unit area in kg/m²: 1.51
Mounting type : E-200

MEASUREMENT CONDITIONS

Empty room: Temperature: 19.5 °C
Relative humidity: 53 %
Room with sample: Temperature: 19.5 °C
Relative humidity: 59 %

RESULTS



f	α_s
100	0,31
125	0,34
160	0,63
200	0,72
250	1,00
315	1,02
400	1,03
500	1,03
630	1,04
800	0,91
1000	0,88
1250	0,97
1600	1,00
2000	1,03
2500	1,09
3150	1,11
4000	1,12
5000	1,06
Hz	

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