

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

Test 1
Date 20/10/15
Station ALPHA

AA45

REQUESTER, MANUFACTURER SAINT-GOBAIN ECOPHON
NAME Gedina A (592 x 592) + Extra Bass (1200 x 600)
FITNESS FOR PURPOSE Unchecked
STANDARDS EN ISO 354, EN ISO 11654, EN 16487
CONFIGURATION Total depth of construction: 200 mm

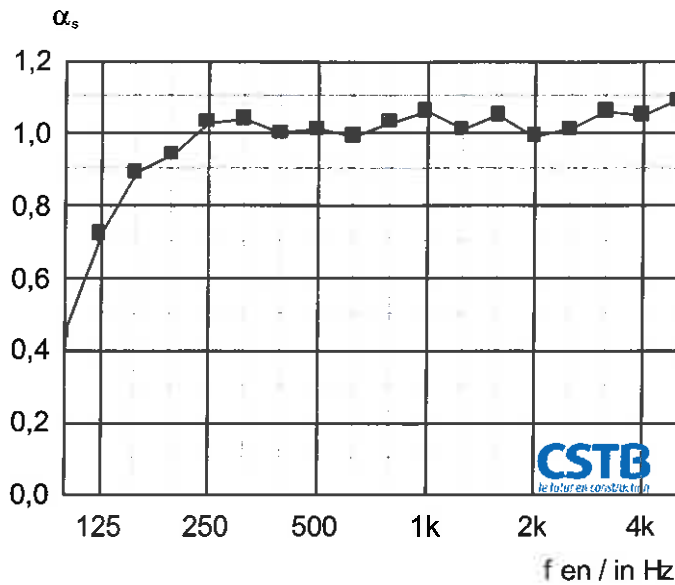
MAIN CHARACTERISTICS

Dimensions in mm : 3600 x 3000
Area in m² : 10.8
Thickness in mm : 65
Mass per unit area in kg/m²: 2.21
Mounting type : E-200

MEASUREMENT CONDITIONS

Empty room: Temperature: 21.5 °C
Relative humidity: 56 %
Room with sample: Temperature: 22.0 °C
Relative humidity: 58 %

RESULTS



f	α_s
100	0,45
125	0,72
160	0,89
200	0,94
250	1,03
315	1,04
400	1,00
500	1,01
630	0,99
800	1,03
1000	1,06
1250	1,01
1600	1,05
2000	0,99
2500	1,01
3150	1,06
4000	1,05
5000	1,09
Hz	

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