

**PRACTICAL SOUND ABSORPTION COEFFICIENT α_p
OF CEILING PANELS**

Test 1
Date 07/03/16
Station ALPHA

AA45

REQUESTER, MANUFACTURER SAINT-GOBAIN ECOPHON
NAME Gedina E (583 x 583) + Extra Bass (1200 x 600)
FITNESS FOR PURPOSE Unchecked
CONFIGURATION Total depth of construction: 200 mm

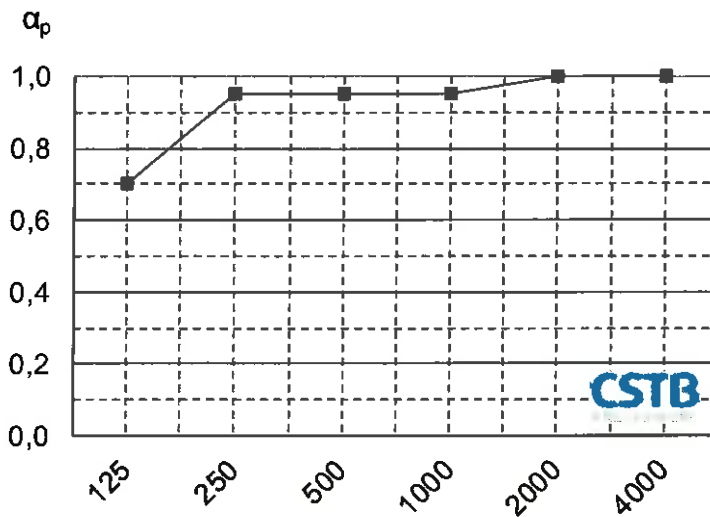
MAIN CHARACTERISTICS

Dimensions in mm : 3600 x 3000
Area in m² : 10.8
Thickness in mm : 65
Mass per unit area in kg/m²: 2.4
Mounting type : E-200

MEASUREMENT CONDITIONS

Empty room: Temperature: 17 °C
Relative humidity: 70 %
Room with sample: Temperature: 18 °C
Relative humidity: 55 %

RESULTS



f	α_s	α_p
100	0,60	
125	0,62	0,70
160	0,93	
200	1,02	
250	0,91	0,95
315	0,95	
400	0,96	
500	0,93	0,95
630	0,96	
800	0,91	
1000	0,97	0,95
1250	1,03	
1600	1,03	
2000	1,02	1,00
2500	1,02	
3150	1,05	
4000	1,00	1,00
5000	1,00	
Hz		

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