

**SOUND ABSORPTION COEFFICIENT  $\alpha_p$   
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

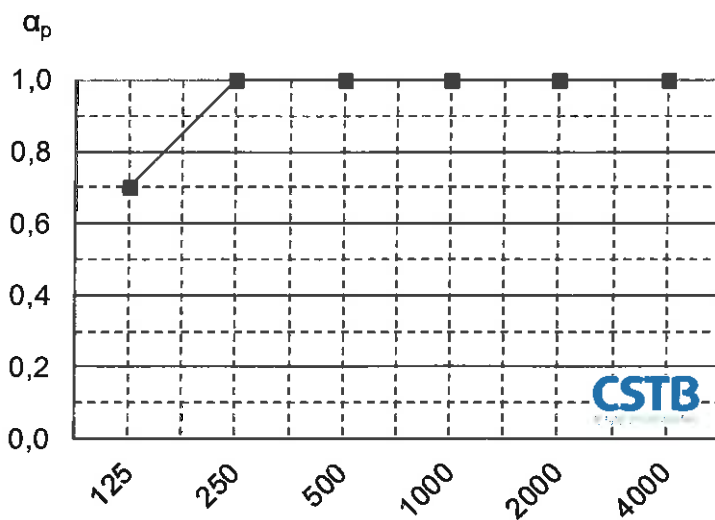
**MAIN CHARACTERISTICS**

Dimensions in mm : 3600 x 3000  
Area in m<sup>2</sup> : 10.8  
Thickness in mm : 65  
Mass per unit area in kg/m<sup>2</sup>: 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	$\alpha_p$
100	
125	0,70
160	
200	
250	1,00
315	
400	
500	1,00
630	
800	
1000	1,00
1250	
1600	
2000	1,00
2500	
3150	
4000	1,00
5000	
Hz	

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