

**PRACTICAL SOUND ABSORPTION COEFFICIENT  $\alpha_p$   
OF SUSPENDED CEILING PANELS**

Test 4  
Date 12/12/17  
Station ALPHA

AA45

**REQUESTER. MANUFACTURER** SAINT-GOBAIN ECOPHON  
**NAMES** Focus Ds/gamma with Extra Bass  
**CONFIGURATION** 200 mm overall depth of construction  
**STANDARDS** EN ISO 354, EN ISO 11654, EN 16487  
**FITNESS FOR PURPOSE** Unchecked

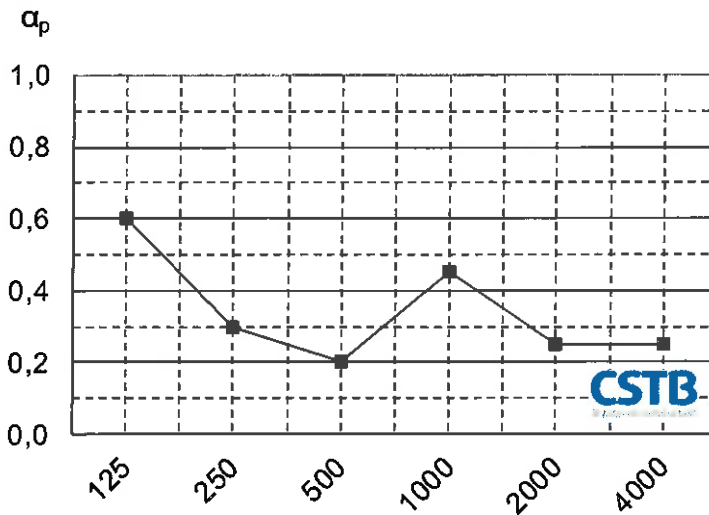
**MAIN CHARACTERISTICS**

**MEASUREMENT CONDITIONS**

Dimensions in mm : 3600 x 3000  
Area in m<sup>2</sup> : 10.80  
Thickness in mm : 70  
Mass per unit area in kg/m<sup>2</sup>: 3.50  
Mounting type : E-200

**Empty room:** Room with sample:  
Temperature: 21 °C Temperature: 21 °C  
Relative humidity: 50 % Relative humidity: 53 %

**RESULTS**



f	$\alpha_s$	$\alpha_p$
100	0,57	
125	0,61	0,60
160	0,60	
200	0,38	
250	0,30	0,30
315	0,21	
400	0,18	
500	0,19	0,20
630	0,23	
800	0,38	
1000	0,58	0,45
1250	0,34	
1600	0,23	
2000	0,29	0,25
2500	0,22	
3150	0,25	
4000	0,22	0,25
5000	0,30	
Hz		

$\alpha_w = 0,25 (L)^*$   
classement / class E

NRC = 0,30  
SAA = 0,29

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