

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

Test 5  
Date 11/07/14  
Station ALPHA  
AA45

**REQUESTER, MANUFACTURER** SAINT GOBAIN ECOPHON  
**NAME** Master B 40 mm  
**FITNESS FOR PURPOSE** Unchecked  
**STANDARDS** EN ISO 354, EN ISO 11654, prEN 16487  
**CONFIGURATION** 43 mm overall depth of construction

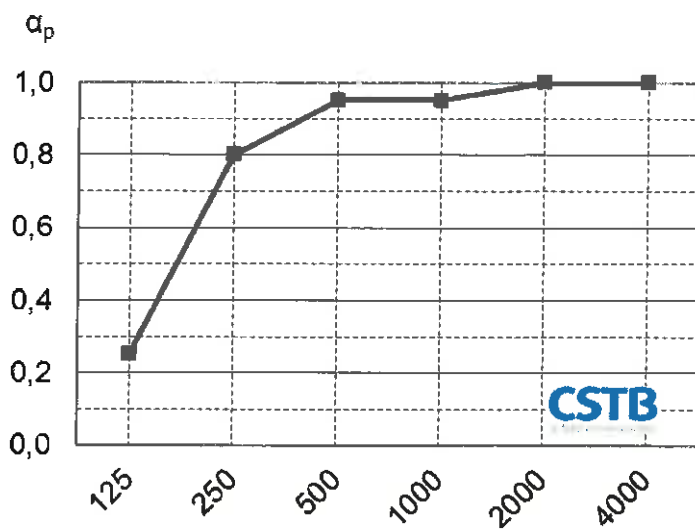
**MAIN CHARACTERISTICS**

Dimensions in mm : 3000 x 3600  
Area in m<sup>2</sup> : 10.8  
Thickness in mm : 40  
Mass per unit area in kg/m<sup>2</sup>: 4.4  
Mounting type : B

**MEASUREMENT CONDITIONS**

**Empty room:** Temperature: 21.5°C  
Relative humidity: 66%  
**Room with sample:** Temperature: 21.5°C  
Relative humidity: 66%

**RESULTS**



f	$\alpha_p$
125	0,25
250	0,80
500	0,95
1000	0,95
2000	1,00
4000	1,00
Hz	

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

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