

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

Test 12  
Date 19/05/14  
Station ALPHA  
AA45

**REQUESTER, MANUFACTURER** SAINT GOBAIN ECOPHON  
**NAME** Master E 40 mm  
**FITNESS FOR PURPOSE** Unchecked  
**STANDARDS** EN ISO 354, EN ISO 11654, prEN 16487  
**CONFIGURATION** 200 mm overall depth of construction

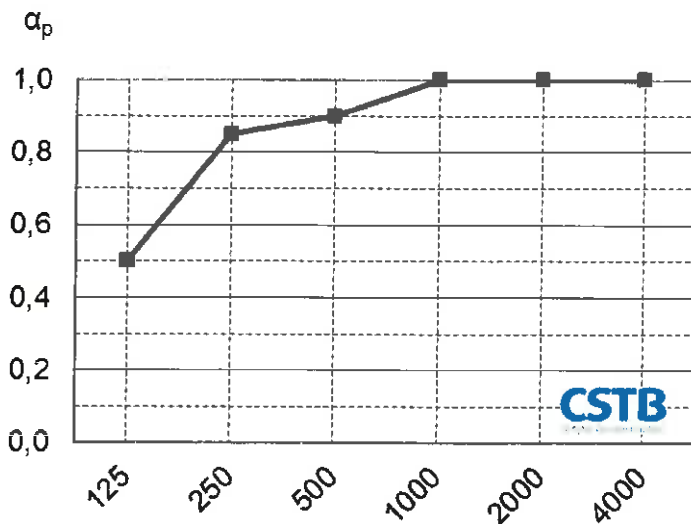
**MAIN CHARACTERISTICS**

Dimensions in mm : 2915 X 3500  
Area in m<sup>2</sup> : 10.2  
Thickness in mm : 40  
Mass per unit area in kg/m<sup>2</sup>: 3.7  
Mounting type : E-200

**MEASUREMENT CONDITIONS**

**Empty room:** Temperature: 19.5°C  
Relative humidity: 67%  
**Room with sample:** Temperature: 20.5°C  
Relative humidity: 58%

**RESULTS**



f	$\alpha_p$
125	0,50
250	0,85
500	0,90
1000	1,00
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.*