

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

Test 21  
Date 14/05/14  
Station ALPHA  
AA45

**REQUESTER, MANUFACTURER** SAINT GOBAIN ECOPHON  
**NAME** Hygiene Meditec A 15 mm  
**FITNESS FOR PURPOSE** Unchecked  
**STANDARDS** EN ISO 354, EN ISO 11654, prEN 16487  
**CONFIGURATION** 50 mm overall depth of construction

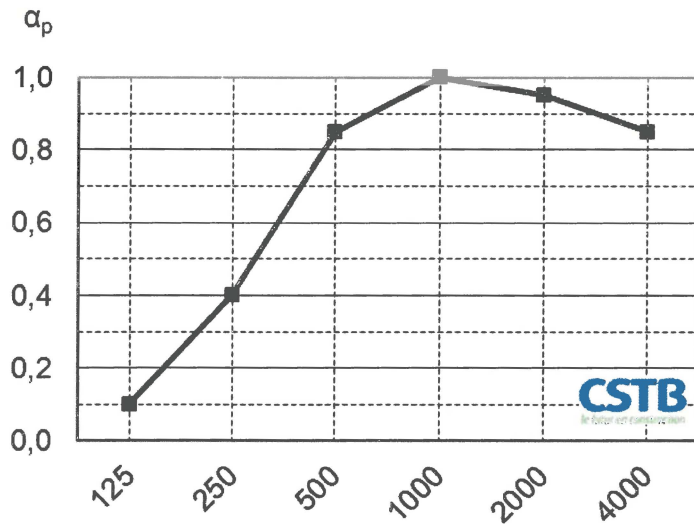
**MAIN CHARACTERISTICS**

Dimensions in mm : 2960 x 3550  
Area in m<sup>2</sup> : 10.5  
Thickness in mm : 15  
Mass per unit area in kg/m<sup>2</sup>: 1.3  
Mounting type : E-50

**MEASUREMENT CONDITIONS**

**Empty room:** Temperature: 18.0°C  
Relative humidity: 62%  
**Room with sample:** Temperature: 19.0°C  
Relative humidity: 58%

**RESULTS**



f	$\alpha_p$
125	0,10
250	0,40
500	0,85
1000	1,00
2000	0,95
4000	0,85
Hz	

$\alpha_w = 0,70(MH)^*$   
classement / class: C

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