

**SOUND ABSORPTION COEFFICIENT  $\alpha_s$   
OF SUSPENDED CEILING PANELS**

Test 22  
Date 20/05/14  
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** 200 mm overall depth of construction

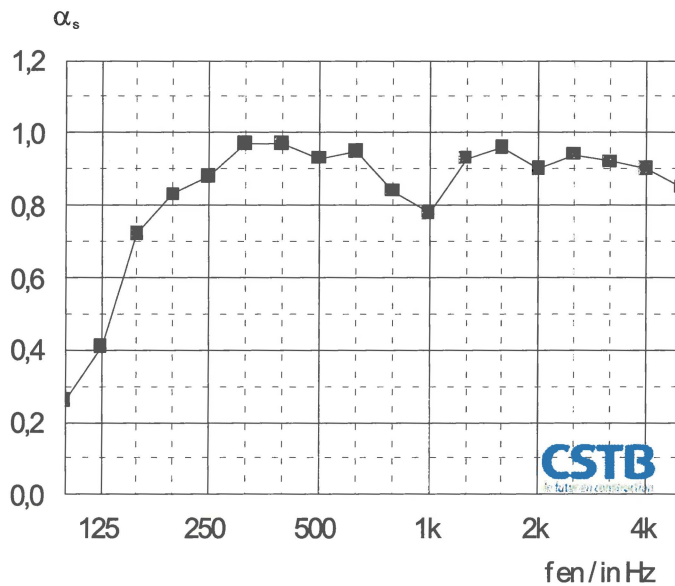
**MAIN CHARACTERISTICS**

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-200

**MEASUREMENT CONDITIONS**

**Empty room:** Temperature: 21.0°C  
Relative humidity: 59%  
**Room with sample:** Temperature: 21.0°C  
Relative humidity: 58%

**RESULTS**



f	$\alpha_s$
100	0,26
125	0,41
160	0,72
200	0,83
250	0,88
315	0,97
400	0,97
500	0,93
630	0,95
800	0,84
1000	0,78
1250	0,93
1600	0,96
2000	0,90
2500	0,94
3150	0,92
4000	0,90
5000	0,85
Hz	

$\alpha_w = 0,95$   
classement / class: A

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