

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

Test 34  
Date 21/05/14  
Station ALPHA

AA45

**REQUESTER, MANUFACTURER** SAINT GOBAIN ECOPHON  
**NAME** Master Rigid Dp 20 mm  
**FITNESS FOR PURPOSE** Unchecked  
**STANDARDS** EN ISO 354, EN ISO 11654, prEN 16487  
**CONFIGURATION** 200 mm overall depth of construction, with 1 layer of Ecophon Extra Bass

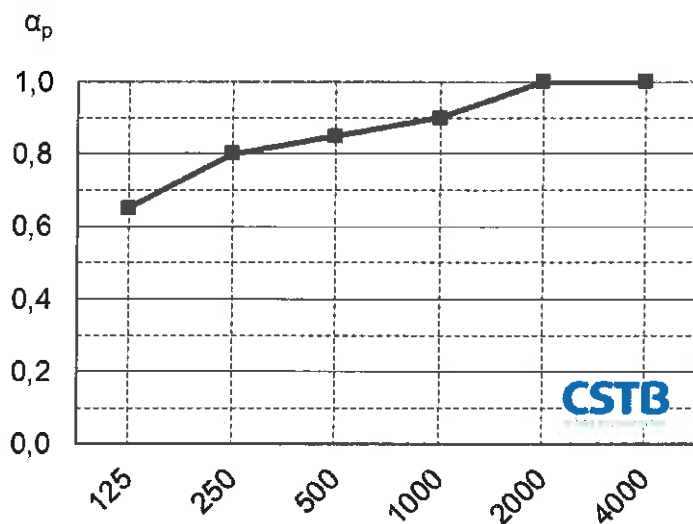
**MAIN CHARACTERISTICS**

Dimensions in mm : 2960 x 3550  
Area in m<sup>2</sup> : 10.5  
Thickness in mm : 20  
Mass per unit area in kg/m<sup>2</sup>: 2.3 panel + 1.3  
Glass wool=3.6  
Mounting type : E-200

**MEASUREMENT CONDITIONS**

**Empty room:** Temperature: 20.5°C  
Relative humidity: 62%  
**Room with sample:** Temperature: 21.0°C  
Relative humidity: 62%

**RESULTS**



f	$\alpha_p$
125	0,65
250	0,80
500	0,85
1000	0,90
2000	1,00
4000	1,00
Hz	

$\alpha_w = 0,90$

classement / class: A

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