

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

Test 31  
Date 20/10/14  
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** 65 mm overall depth of construction

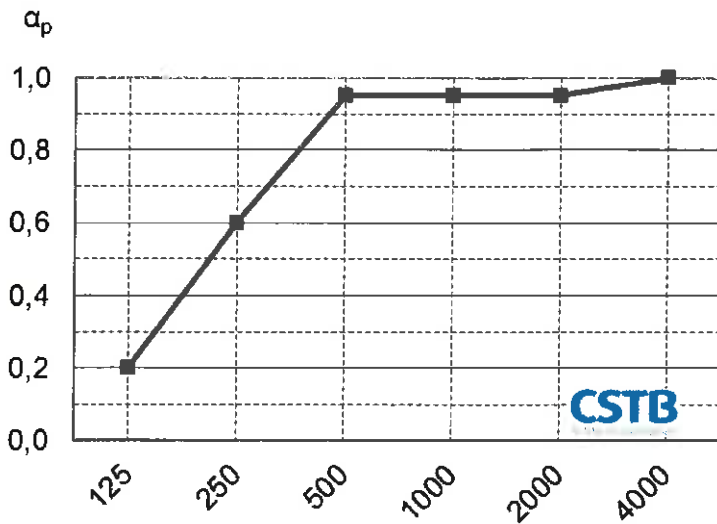
**MAIN CHARACTERISTICS**

**MEASUREMENT CONDITIONS**

Dimensions in mm : 2960x3550  
Area in m<sup>2</sup> : 10.5  
Thickness in mm : 20  
Mass per unit area in kg/m<sup>2</sup>: 2.3  
Mounting type : E-65

**Empty room:** Room with sample:  
Temperature: 21.0°C Temperature: 21.5°C  
Relative humidity: 59% Relative humidity: 58%

**RESULTS**



f	$\alpha_p$
125	0,20
250	0,60
500	0,95
1000	0,95
2000	0,95
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.*