

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

Test 36  
Date 10/07/14  
Station ALPHA  
AA45

**REQUESTER, MANUFACTURER** SAINT GOBAIN ECOPHON  
**NAME** Master Rigid Dp / gamma 20 mm  
**FITNESS FOR PURPOSE** Unchecked  
**STANDARDS** EN ISO 354, EN ISO 11654, prEN 16487  
**CONFIGURATION** 200 mm overall depth of construction

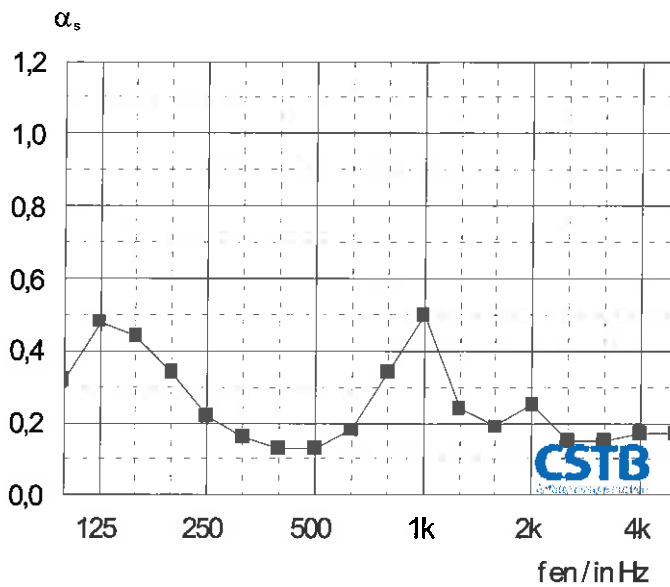
**MAIN CHARACTERISTICS**

**MEASUREMENT CONDITIONS**

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>: 2.7  
Mounting type : E-200

**Empty room:** Room with sample:  
Temperature: 21.0°C Temperature: 21.5°C  
Relative humidity: 64% Relative humidity: 64%

**RESULTS**



f	$\alpha_s$
100	0,32
125	0,48
160	0,44
200	0,34
250	0,22
315	0,16
400	0,13
500	0,13
630	0,18
800	0,34
1000	0,50
1250	0,24
1600	0,19
2000	0,25
2500	0,15
3150	0,15
4000	0,17
5000	0,17
Hz	

$\alpha_w = 0,20(L) *$   
classement / class: E

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