

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

Test 8  
Date 28/01/16  
Station ALPHA

AA45

**REQUESTER, MANUFACTURER** SAINT-GOBAIN ECOPHON  
**NAME** Master Rigid E + Extra Bass  
**STANDARDS** EN ISO 354, EN ISO 11654, EN 16487  
**CONFIGURATION** Total depth of construction: 200 mm  
**FITNESS FOR PURPOSE** Unchecked

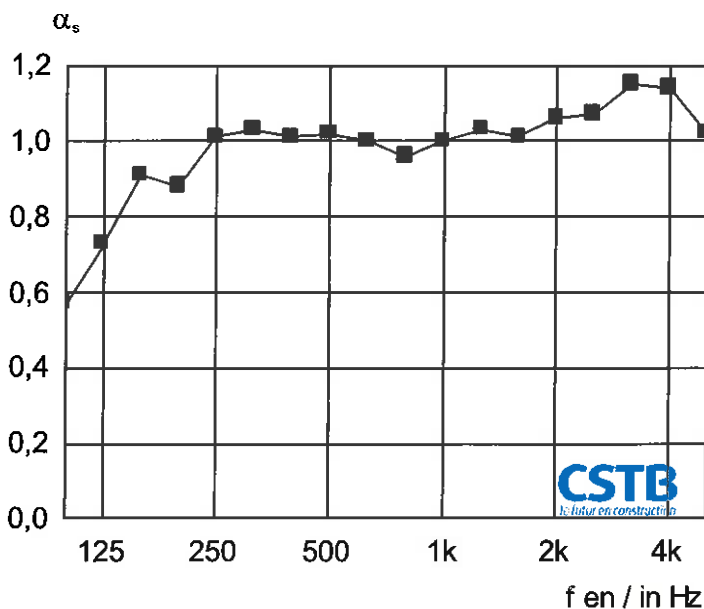
**MAIN CHARACTERISTICS**

Dimensions in mm : 3500 x 2930  
Area in m<sup>2</sup> : 10.26  
Thickness in mm : 70  
Mass per unit area in kg/m<sup>2</sup>: 2.56  
Mounting type : E-200

**MEASUREMENT CONDITIONS**

**Empty room:** Temperature: 19.5 °C  
Relative humidity: 53 %  
**Room with sample:** Temperature: 20.0 °C  
Relative humidity: 56 %

**RESULTS**



f	$\alpha_s$
100	0,57
125	0,73
160	0,91
200	0,88
250	1,01
315	1,03
400	1,01
500	1,02
630	1,00
800	0,96
1000	1,00
1250	1,03
1600	1,01
2000	1,06
2500	1,07
3150	1,15
4000	1,14
5000	1,02
Hz	

$\alpha_w = 1,00$   
classement / class: A