

**SOUND ABSORPTION COEFFICIENT α_p
OF SUSPENDED CEILING PANELS**

Test 7
Date 28/01/16
Station ALPHA
AA45

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

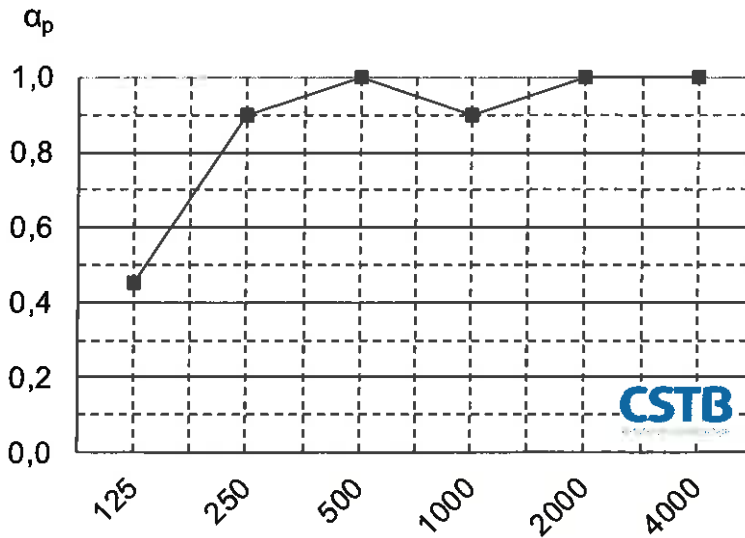
MAIN CHARACTERISTICS

Dimensions in mm : 3500 x 2930
Area in m² : 10.26
Thickness in mm : 20
Mass per unit area in kg/m²: 1.51
Mounting type : E-200

MEASUREMENT CONDITIONS

Empty room: Temperature: 19.5 °C
Relative humidity: 53 %
Room with sample: Temperature: 19.5 °C
Relative humidity: 59 %

RESULTS



f	α_p
100	
125	0,45
160	
200	
250	0,90
315	
400	
500	1,00
630	
800	
1000	0,90
1250	
1600	
2000	1,00
2500	
3150	
4000	1,00
5000	
Hz	

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