

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

Test **1**
 Date **01/03/17**
 Station **ALPHA**

AA45

REQUESTER, MANUFACTURER **SAINT-GOBAIN ECOPHON**
NAME **Combison dB A (HS170131B)**
CONFIGURATION **Total height of construction: 200mm**
STANDARDS **EN ISO 354, EN ISO 11654, EN 16487**
FITNESS FOR PURPOSE **Unchecked**

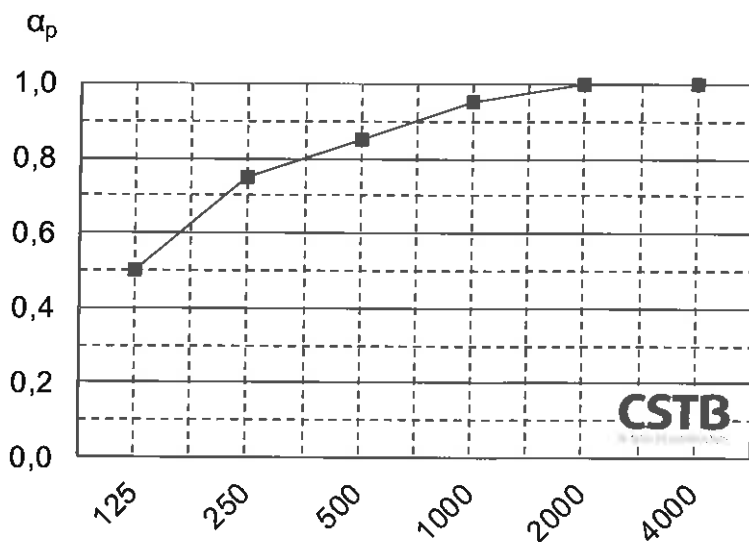
MAIN CHARACTERISTICS

Dimensions in mm : 3570 x 2980
 Area in m² : 10.64
 Thickness in mm : 50
 Mass per unit area in kg/m²: 5.9
 Mounting type : E-200

MEASUREMENT CONDITIONS

Empty room: **Room with sample:**
 Temperature: 20.5°C Temperature: 21°C
 Relative humidity: 56% Relative humidity: 59%

RESULTSON



f	α_s	α_p
100	0,36	
125	0,49	0,50
160	0,66	
200	0,70	
250	0,73	0,75
315	0,79	
400	0,77	
500	0,89	0,85
630	0,89	
800	0,90	
1000	0,95	0,95
1250	0,97	
1600	1,02	
2000	0,98	1,00
2500	1,00	
3150	1,03	
4000	1,04	1,00
5000	1,06	
Hz		

$\alpha_w = 0,95$ (H)*
 classement / class A

NRC = 0,90
 SAA = 0,88