

**SOUND ABSORPTION COEFFICIENT α_s
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

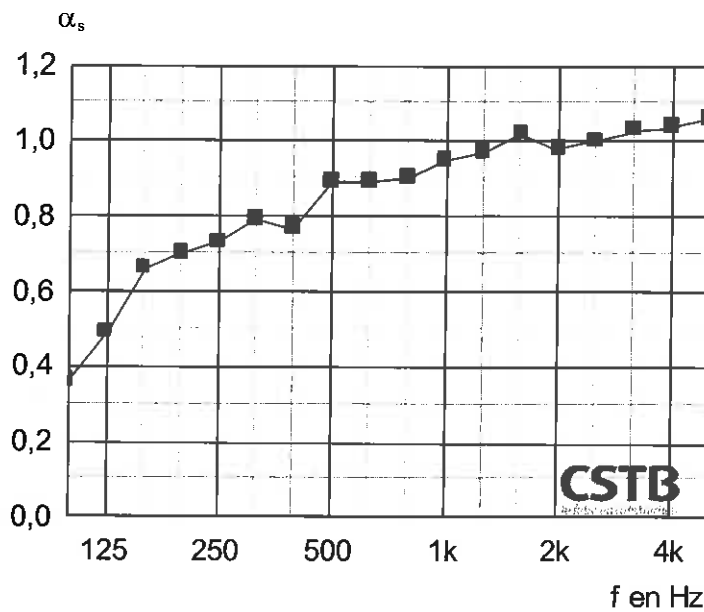
MAIN CHARACTERISTICS

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

RESULTS



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

$\alpha_w = 0,95$
classement : A

NRC = 0,90
SAA = 0,88