

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

Test 2
Date 12/12/17
Station ALPHA
AA45

REQUESTER. MANUFACTURER SAINT-GOBAIN ECOPHON
NAME Sombra A 15 mm
CONFIGURATION 50 mm overall depth of construction
STANDARDS EN ISO 354, EN ISO 11654, EN 16487
FITNESS FOR PURPOSE Unchecked

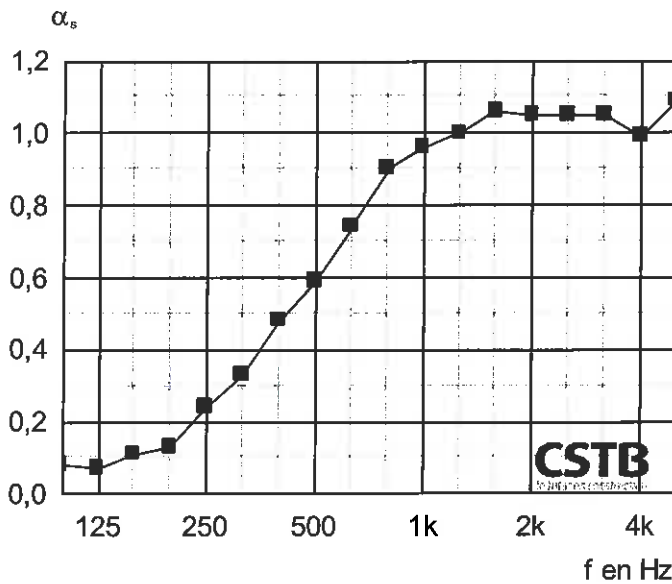
MAIN CHARACTERISTICS

Dimensions in mm : 3573 x 2978
Area in m² : 10.64
Thickness in mm : 15
Mass per unit area in kg/m²: 1.00
Mounting type : E-50

MEASUREMENT CONDITIONS

Empty room: Temperature: 21 °C
Relative humidity: 50 %
Room with sample: Temperature: 21 °C
Relative humidity: 48 %

RESULTS



f	α_s
100	0,08
125	0,07
160	0,11
200	0,13
250	0,24
315	0,33
400	0,48
500	0,59
630	0,74
800	0,90
1000	0,96
1250	1,00
1600	1,06
2000	1,05
2500	1,05
3150	1,05
4000	0,99
5000	1,09
Hz	

$\alpha_w = 0,55(MH) *$

Classement / Class D

NRC = 0,70

SAA = 0,71

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