

**SOUND ABSORPTION COEFFICIENT α_s
OF BAFFLES**

Test 1
Date 27/06/17
Station ALPHA

AA79

REQUESTER, MANUFACTURER SAINT-GOBAIN ECOPHON

NAME Solo Baffle 1200 x 200 x 40

FITNESS FOR PURPOSE Unchecked

CONFIGURATION 200 mm overall depth of construction, oriented in rows cc
200 mm

STANDARDS EN ISO 354, EN ISO 11654 and EN 16487

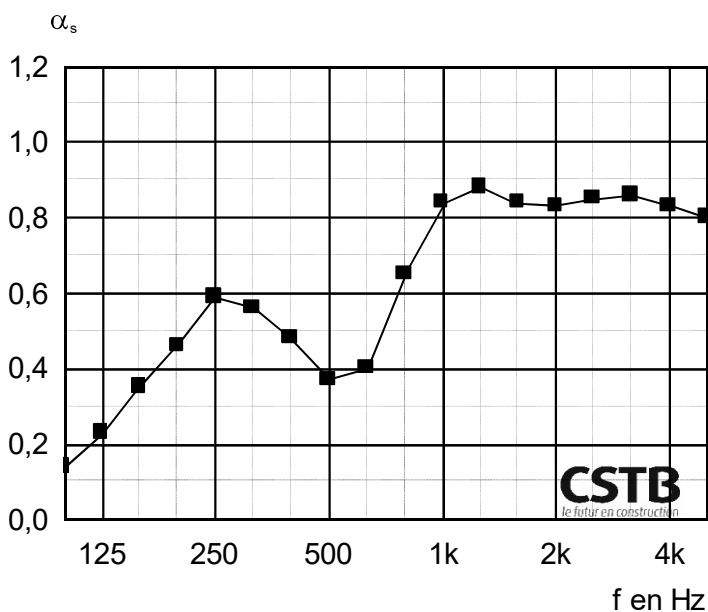
MAIN CHARACTERISTICS

Total test area in m² : 10.75
Thickness of a baffle in mm : 40
Mounting type : J

MEASUREMENT CONDITIONS

Empty room: Temperature: 23.0 °C
Relative humidity: 68 %
Room with sample: Temperature: 23.5 °C
Relative humidity: 67 %

RESULTS



f	α_s
100	0,14
125	0,23
160	0,35
200	0,46
250	0,59
315	0,56
400	0,48
500	0,37
630	0,40
800	0,65
1000	0,84
1250	0,88
1600	0,84
2000	0,83
2500	0,85
3150	0,86
4000	0,83
5000	0,80
Hz	

$\alpha_w = 0,50(\text{LMH})^*$
classement : D

NRC = 0,65
SAA = 0,65

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