TEST REPORT N° AC17-26068382/2

SOUND ABSORPTION COEFFICIENT α_s OF BAFFLES

AA79

Test 13
Date 27/06/17
Station ALPHA

REQUESTER, MANUFACTURER **SAINT-GOBAIN ECOPHON**

NAME **Solo Baffle 1200 x 300 x 40**

FITNESS FOR PURPOSE **Unchecked**

CONFIGURATION **300 mm overall depth of construction, oriented in rows cc 400 mm**

STANDARDS **EN ISO 354, EN ISO 11654 and EN 16487**

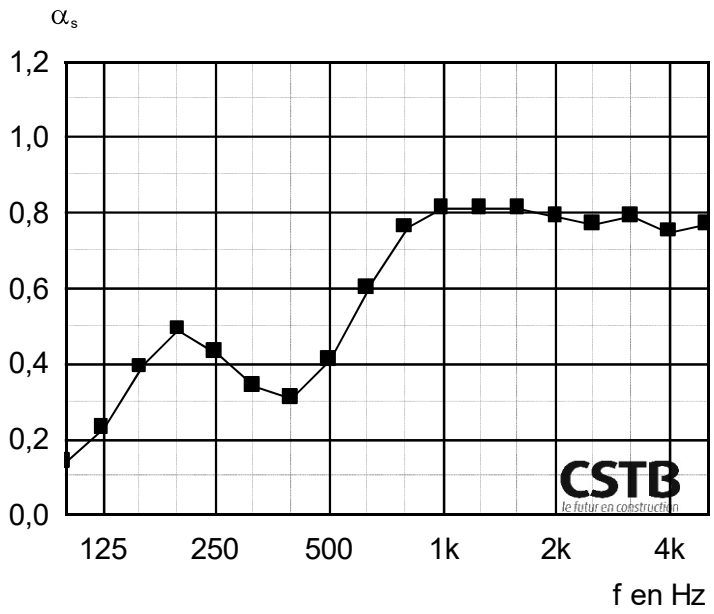
MAIN CHARACTERISTICS

Total test area in m² : 11.46
Thickness of a baffle in mm : 40
Mounting type : J

MEASUREMENT CONDITIONS

Empty room:	**Room with sample:**
Temperature: 23.5 °C	Temperature: 24.0 °C
Relative humidity: 70 %	Relative humidity: 69 %

RESULTS



f	α_s
100	0,14
125	0,23
160	0,39
200	0,49
250	0,43
315	0,34
400	0,31
500	0,41
630	0,60
800	0,76
1000	0,81
1250	0,81
1600	0,81
2000	0,79
2500	0,77
3150	0,79
4000	0,75
5000	0,77
Hz	

α_w = 0,55(MH) *
classement : D

NRC = 0,60
SAA = 0,61

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