

**SOUND ABSORPTION COEFFICIENT  $\alpha_s$   
OF BAFFLES**

**Test 9**  
**Date 27/06/17**  
**Station ALPHA**

AA79

**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  
200 mm

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

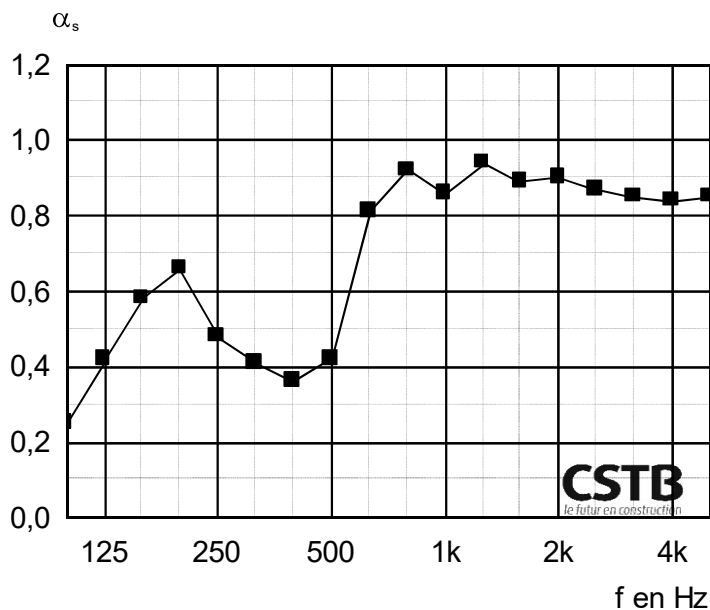
**MAIN CHARACTERISTICS**

Total test area in m<sup>2</sup> : 10.75  
Thickness of a baffle in mm : 40  
Mounting type : J

**MEASUREMENT CONDITIONS**

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

**RESULTS**



f	$\alpha_s$
100	0,25
125	0,42
160	0,58
200	0,66
250	0,48
315	0,41
400	0,36
500	0,42
630	0,81
800	0,92
1000	0,86
1250	0,94
1600	0,89
2000	0,90
2500	0,87
3150	0,85
4000	0,84
5000	0,85
Hz	

$\alpha_w = 0,65(\text{MH})$  \*  
classement : C

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.