TEST REPORT N° AC14-26051052/11

PRACTICAL SOUND ABSORPTION COEFFICIENT α_p OF BAFFLES

AA45

Test 13
Date 21/10/14
Station ALPHA

REQUESTER, MANUFACTURER	**SAINT GOBAIN ECOPHON**
NAME	**Solo Baffle 40 mm**
FITNESS FOR PURPOSE	**Unchecked**
STANDARDS	**EN ISO 354, EN ISO 11654, prEN 16487**
CONFIGURATION	**300 mm overall depth of construction, oriented in rows cc 300 mm**

MAIN CHARACTERISTICS

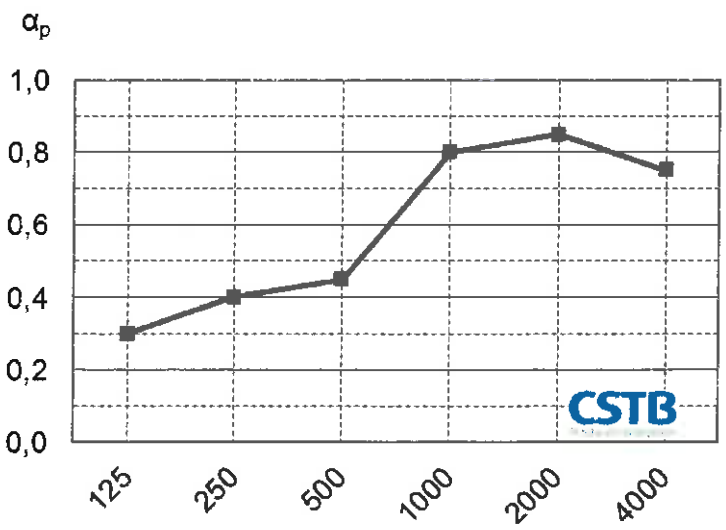
Dimensions in mm	: 3000 x 3600
Area in m²	: 10.8
Thickness in mm	: 40
Mass per unit area in kg/m²	: 4.5
Mounting type	: J

MEASUREMENT CONDITIONS

Empty room:
Temperature: 21.0°C
Relative humidity: 67%

Room with sample:
Temperature: 21.5°C
Relative humidity: 60%

RESULTS



f	α_p
125	0,30
250	0,40
500	0,45
1000	0,80
2000	0,85
4000	0,75
Hz	

α_w= 0,55(MH)*
classement / class: D

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

*****This test is derogating from the standards EN ISO 354 and test code prEN 16487 on paragraph 4.1.2.1.4 and annex B.7, on centre distance d between rows.***