

**EQUIVALENT SOUND ABSORPTION AREA A
OF A BAFFLE**

Test 12
Date 23/10/14
Station ALPHA
AA45

REQUESTER, MANUFACTURER SAINT GOBAIN ECOPHON
NAME Solo Baffle 40 mm
FITNESS FOR PURPOSE Unchecked
STANDARDS EN ISO 354, EN ISO 11654, prEN 16487
CONFIGURATION 200 mm overall depth of construction, oriented in rows cc 600 mm

MAIN CHARACTERISTICS

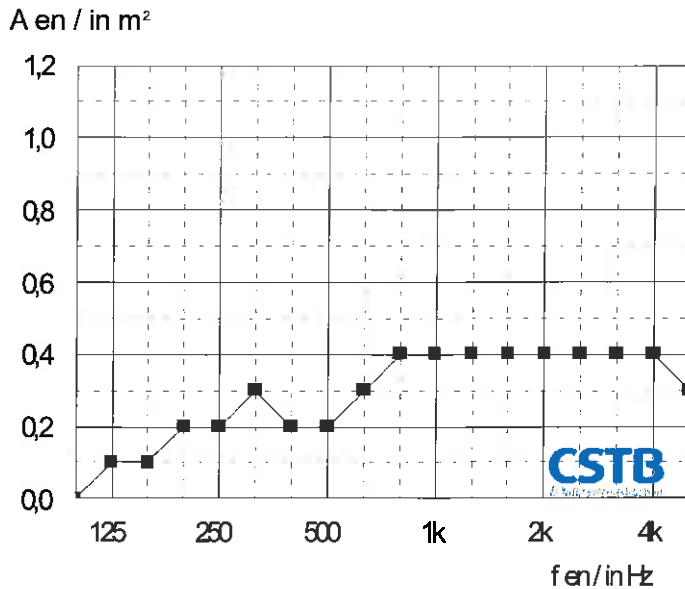
Dimensions in mm : 3000 x 3600
Area in m² : 10.8
Thickness in mm : 40
Mass per unit area in kg/m² : 4.5
Mounting type : J

MEASUREMENT CONDITIONS

Empty room: Temperature: 53°C
Relative humidity: 22%
Room with sample: Temperature: 53°C
Relative humidity: 22%

RESULTS

Equivalent sound absorption area for one unit



f	A
100	0,0
125	0,1
160	0,1
200	0,2
250	0,2
315	0,3
400	0,2
500	0,2
630	0,3
800	0,4
1000	0,4
1250	0,4
1600	0,4
2000	0,4
2500	0,4
3150	0,4
4000	0,4
5000	0,3
Hz	m ²