

**EQUIVALENT SOUND ABSORPTION AREA A
OF A PANEL**

Test 5
Date 22/10/14
Station ALPHA

AA45

REQUESTER, MANUFACTURER SAINT GOBAIN ECOPHON
NAME Solo Square 40 mm
FITNESS FOR PURPOSE Unchecked
STANDARDS EN ISO 354, EN ISO 11654, prEN 16487
CONFIGURATION 3 objects, 1000 mm overall depth of construction

MAIN CHARACTERISTICS

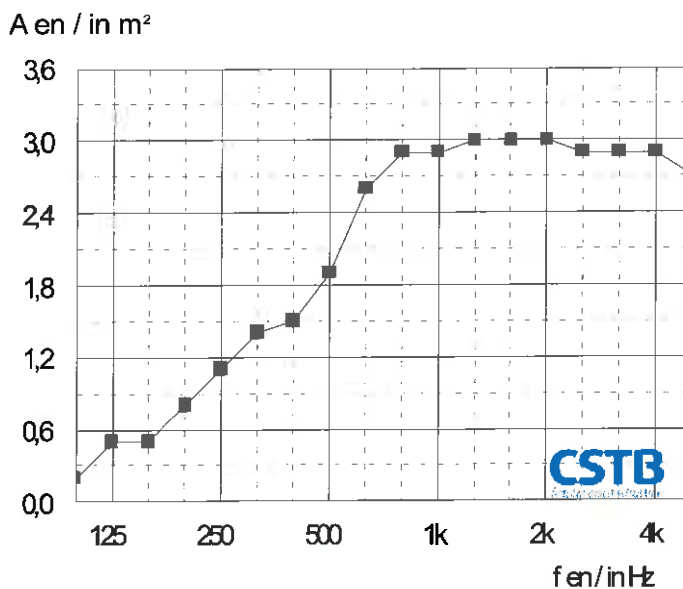
Dimensions of a panel in mm : 1200 x 1200
Area of a panel in mm² : 1.4
Thickness of a panel in mm : 40
Mass per unit area in kg/m² : 3.7
Mounting type : -

MEASUREMENT CONDITIONS

Empty room: Temperature: 22.0°C
Relative humidity: 50%
Room with sample: Temperature: 22.0°C
Relative humidity: 50%

RESULTS

Equivalent sound absorption area for one unit



f	A
100	0,2
125	0,5
160	0,5
200	0,8
250	1,1
315	1,4
400	1,5
500	1,9
630	2,6
800	2,9
1000	2,9
1250	3,0
1600	3,0
2000	3,0
2500	2,9
3150	2,9
4000	2,9
5000	2,7
Hz	m ²