

**EQUIVALENT SOUND ABSORPTION AREA
OF SUSPENDED CEILING PANELS**

Test 19
Date 29/09/14
Station ALPHA
AA45

REQUESTER, MANUFACTURER SAINT GOBAIN ECOPHON
NAME Master Matrix 40 mm
FITNESS FOR PURPOSE Unchecked
STANDARDS EN ISO 354, EN ISO 11654, prEN 16487
CONFIGURATION A cluster of 4 panels on 255 overall depth of construction

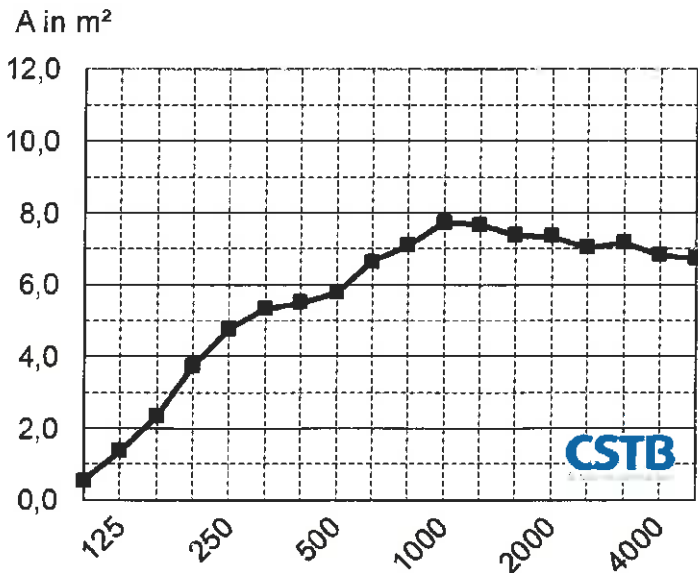
MAIN CHARACTERISTICS

MEASUREMENT CONDITIONS

Dimensions in mm : 1000 x 4760
Area in m² : 4.8
Thickness in mm : 40
Mass per unit area in kg/m²: 3.7
Mounting type : J

Empty room: Room with sample:
Temperature: 20.0°C Temperature: 20.5°C
Relative humidity: 69% Relative humidity: 71%

RESULTS



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