

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

Test 20  
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 300 overall depth of construction

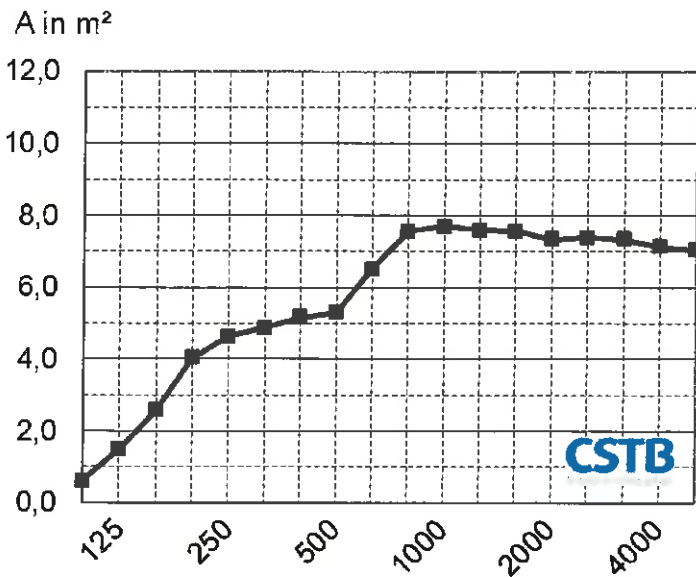
**MAIN CHARACTERISTICS**

**MEASUREMENT CONDITIONS**

Dimensions in mm : 1000 x 4760  
Area in m<sup>2</sup> : 4.8  
Thickness in mm : 40  
Mass per unit area in kg/m<sup>2</sup>: 3.7  
Mounting type : J

**Empty room:** Room with sample:  
Temperature: 20.0°C Temperature: 20.0°C  
Relative humidity: 69% Relative humidity: 68%

**RESULTS**



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