

**SOUND ABSORPTION COEFFICIENT α_s
OF SUSPENDED CEILING PANELS**

Test 6
Date 08/21/15
Station ALPHA

AA45

REQUESTER, MANUFACTURER SAINT-GOBAIN ECOPHON
NAME Hygiene Clinic E T24 15 mm
FITNESS FOR PURPOSE Unchecked
CONFIGURATION 60 mm overall depth of construction

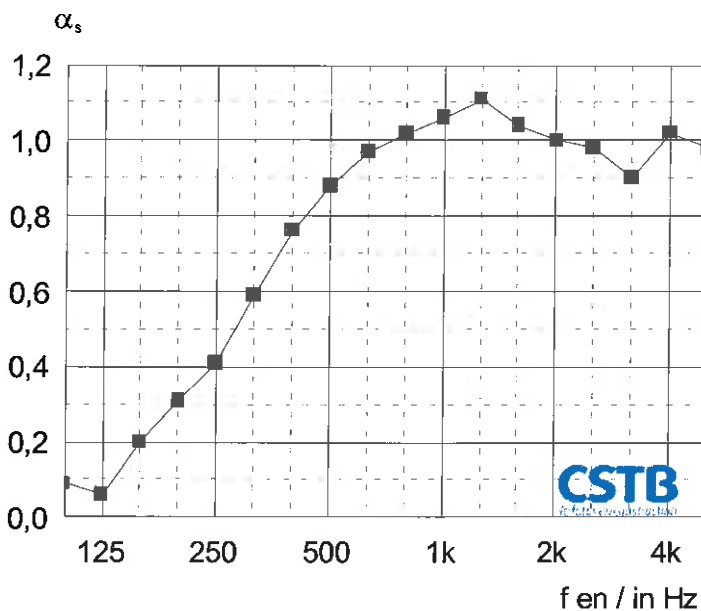
MAIN CHARACTERISTICS

Dimensions in mm : 2915 x 3498
Area in m² : 10.32
Thickness in mm : 15
Mass per unit area in kg/m²: 1.3
Mounting type : E-60

MEASUREMENT CONDITIONS

Empty room: Temperature: 22.3°C
Relative humidity: 70 %
Room with sample: Temperature: 23.1°C
Relative humidity: 66%

RESULTS



| f | α_s |
|------|------------|
| 100 | 0,09 |
| 125 | 0,06 |
| 160 | 0,20 |
| 200 | 0,31 |
| 250 | 0,41 |
| 315 | 0,59 |
| 400 | 0,76 |
| 500 | 0,88 |
| 630 | 0,97 |
| 800 | 1,02 |
| 1000 | 1,06 |
| 1250 | 1,11 |
| 1600 | 1,04 |
| 2000 | 1,00 |
| 2500 | 0,98 |
| 3150 | 0,90 |
| 4000 | 1,02 |
| 5000 | 0,98 |
| Hz | |

$\alpha_w = 0,75(MH) *$
classement / class: C