

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

Test 4
Date 08/21/15
Station ALPHA

AA45

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

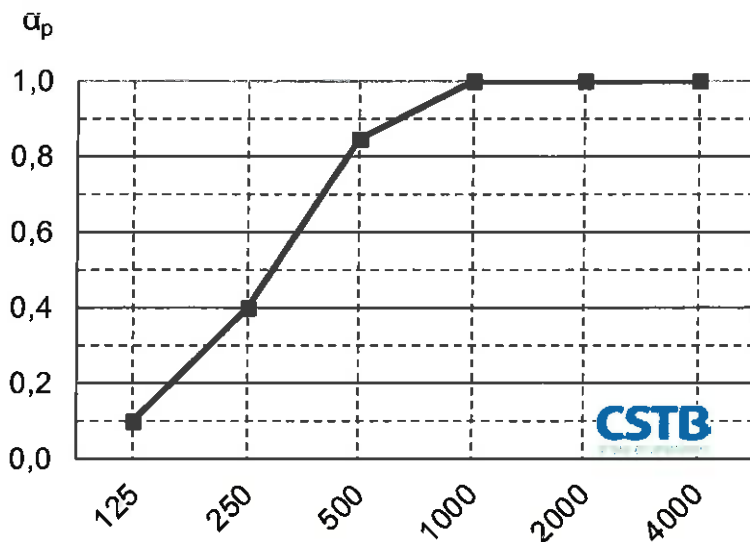
MAIN CHARACTERISTICS

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: 23.2°C
Relative humidity: 65%

RESULTS



| f | α_p |
|------|------------|
| 125 | 0,10 |
| 250 | 0,40 |
| 500 | 0,85 |
| 1000 | 1,00 |
| 2000 | 1,00 |
| 4000 | 1,00 |
| Hz | |

$\alpha_w = 0,7$
classement / class: C

It is strongly recommended to use this single number rating in combination with the complete sound absorption coefficient curve.