

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

Test **1**
Date **14/05/14**
Station **ALPHA**
AA45

REQUESTER, MANUFACTURER SAINT GOBAIN ECOPHON
NAME Advantage A 15 mm
FITNESS FOR PURPOSE Unchecked
STANDARDS EN ISO 354, EN ISO 11654, prEN 16487
CONFIGURATION 50 mm overall depth of construction

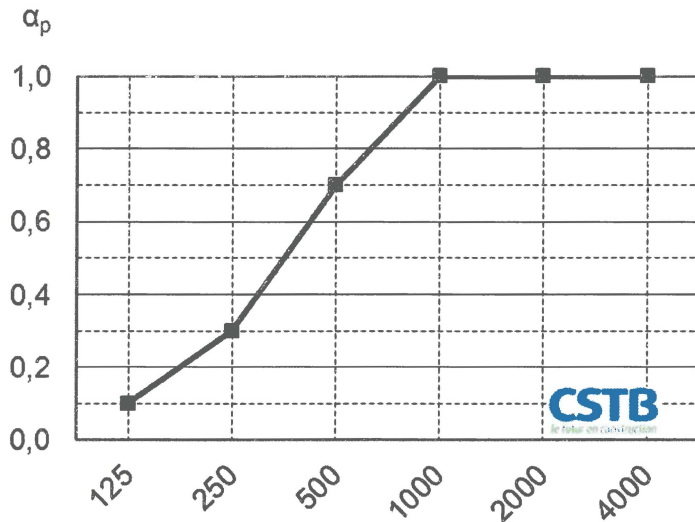
MAIN CHARACTERISTICS

Dimensions in mm : 2975 x 3575
Area in m² : 10.6
Thickness in mm : 15
Mass per unit area in kg/m²: 1.1
Mounting type : E-50

MEASUREMENT CONDITIONS

Empty room: Temperature: 18.0°C
Relative humidity: 62%
Room with sample: Temperature: 19.0°C
Relative humidity: 59%

RESULTS



| f | α_p |
|------|------------|
| 125 | 0,10 |
| 250 | 0,30 |
| 500 | 0,70 |
| 1000 | 1,00 |
| 2000 | 1,00 |
| 4000 | 1,00 |
| Hz | |

$\alpha_w = 0,60(MH)^*$
classement / class: C

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