

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

Test 8
Date 28/01/16
Station ALPHA

AA45

REQUESTER, MANUFACTURER SAINT-GOBAIN ECOPHON
NAME Master Rigid E + Extra Bass
STANDARDS EN ISO 354, EN ISO 11654, EN 16487
CONFIGURATION Total depth of construction: 200 mm
FITNESS FOR PURPOSE Unchecked

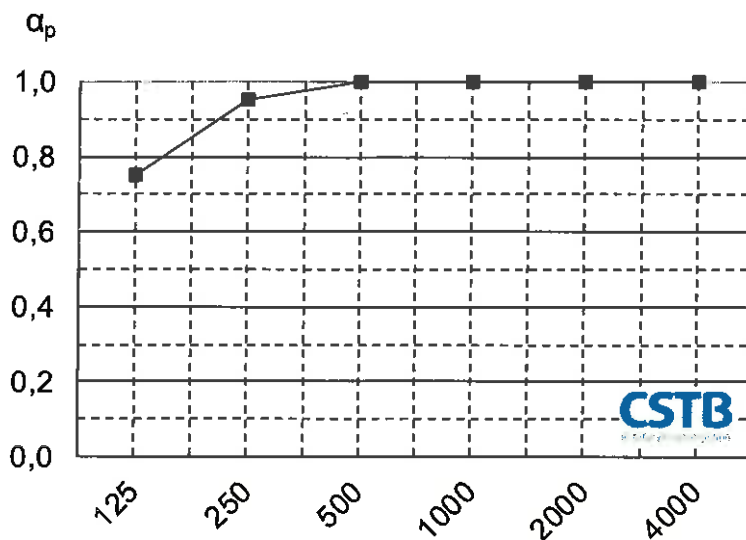
MAIN CHARACTERISTICS

Dimensions in mm : 3500 x 2930
Area in m² : 10.26
Thickness in mm : 70
Mass per unit area in kg/m²: 2.56
Mounting type : E-200

MEASUREMENT CONDITIONS

Empty room: Temperature: 19.5 °C
Relative humidity: 53 %
Room with sample: Temperature: 20.0 °C
Relative humidity: 56 %

RESULTS



| f | α_p |
|------|------------|
| 100 | |
| 125 | 0,75 |
| 160 | |
| 200 | |
| 250 | 0,95 |
| 315 | |
| 400 | |
| 500 | 1,00 |
| 630 | |
| 800 | |
| 1000 | 1,00 |
| 1250 | |
| 1600 | |
| 2000 | 1,00 |
| 2500 | |
| 3150 | |
| 4000 | 1,00 |
| 5000 | |
| Hz | |

$\alpha_w = 1,00$
classement / class A