

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

Test 8
Date 01/10/14
Station ALPHA

AA45

REQUESTER, MANUFACTURER SAINT GOBAIN ECOPHON

NAME Akusto Wall C/Texona 40 mm

FITNESS FOR PURPOSE Unchecked

STANDARDS EN ISO 354, EN ISO 11654, prEN 16487

CONFIGURATION 50 mm overall depth of construction

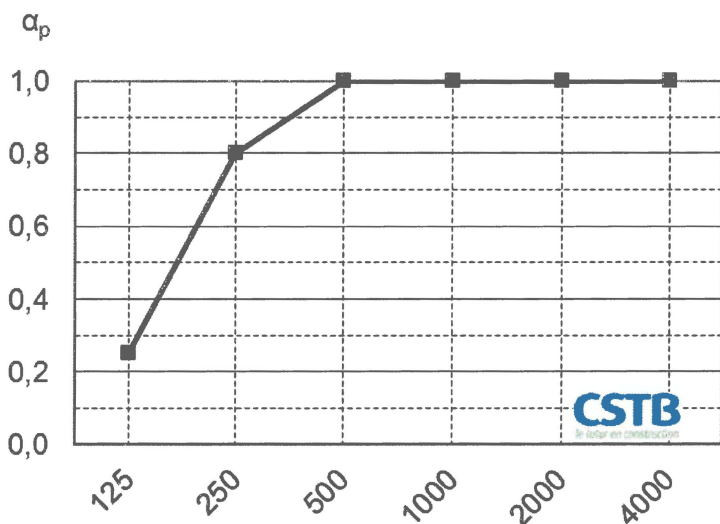
MAIN CHARACTERISTICS

Dimensions in mm : 3000 x 3600
Area in m² : 10.8
Thickness in mm : 40
Mass per unit area in kg/m²: 4.2
Mounting type : E-50

MEASUREMENT CONDITIONS

Empty room: Temperature: 21.0°C
Relative humidity: 67%
Room with sample: Temperature: 21.0 °C
Relative humidity: 67%

RESULTS



f	α_p
125	0,25
250	0,80
500	1,00
1000	1,00
2000	1,00
4000	1,00
Hz	

$\alpha_w = 1,00$

classement / class: A

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