

**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 Master A 40 mm
FITNESS FOR PURPOSE Unchecked
STANDARDS EN ISO 354, EN ISO 11654, prEN 16487
CONFIGURATION 50 mm overall depth of construction

MAIN CHARACTERISTICS

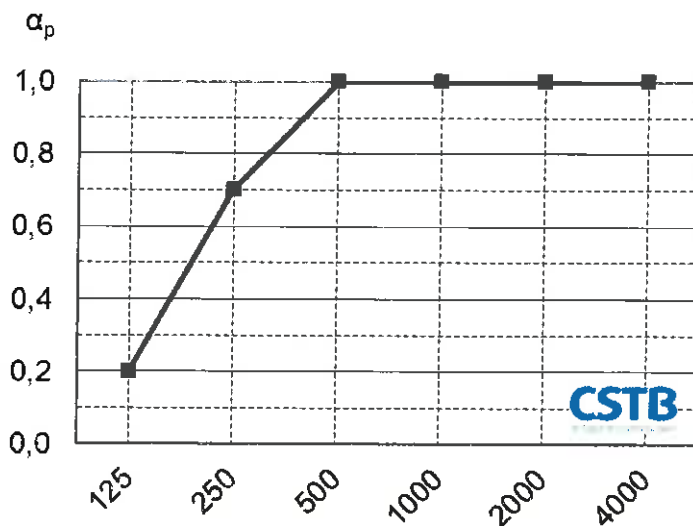
Dimensions in mm : 2960 x 3550
Area in m² : 10.5
Thickness in mm : 40
Mass per unit area in kg/m²: 2.6
Mounting type : E-50

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	0,20
250	0,70
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.