

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

Test **11**
Date **15/05/14**
Station **ALPHA**
AA45

REQUESTER, MANUFACTURER SAINT GOBAIN ECOPHON
NAME Master E 40 mm
FITNESS FOR PURPOSE Unchecked
STANDARDS EN ISO 354, EN ISO 11654, prEN 16487
CONFIGURATION 60 mm overall depth of construction

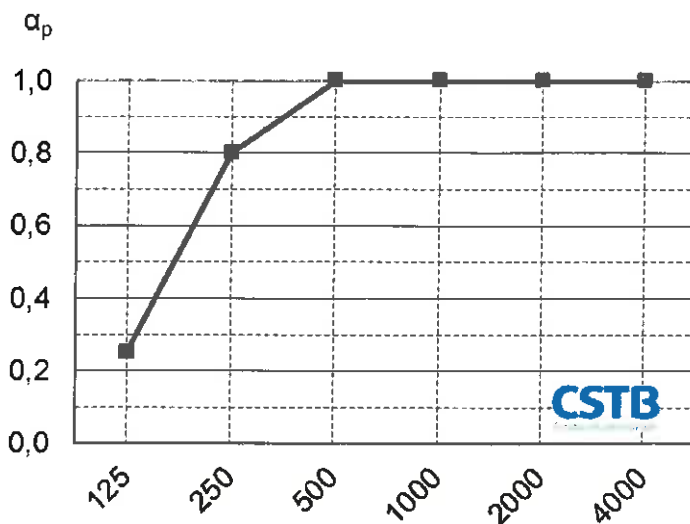
MAIN CHARACTERISTICS

MEASUREMENT CONDITIONS

Dimensions in mm : 2915 x 3500
Area in m² : 10.2
Thickness in mm : 40
Mass per unit area in kg/m²: 3.7
Mounting type : E-60

Empty room: Temperature: 18.5°C
Relative humidity: 52%
Room with sample: Temperature: 19.0°C
Relative humidity: 51%

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.