

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

Test 14
Date 10/07/14
Station ALPHA
AA45

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

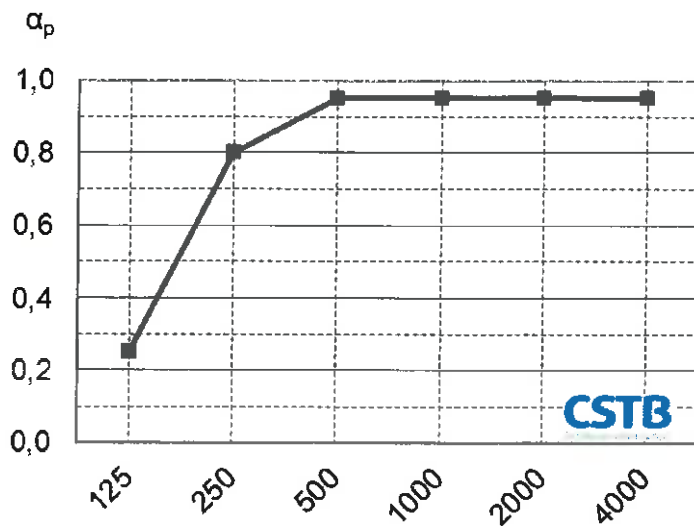
MAIN CHARACTERISTICS

Dimensions in mm : 3000 x 3600
Area in m² : 10.8
Thickness in mm : 40
Mass per unit area in kg/m²: 4.4
Mounting type : A

MEASUREMENT CONDITIONS

Empty room: Temperature: 21.0°C
Relative humidity: 64%
Room with sample: Temperature: 22.0°C
Relative humidity: 65%

RESULTS



f	α_p
125	0,25
250	0,80
500	0,95
1000	0,95
2000	0,95
4000	0,95
Hz	

$\alpha_w = 0,95$
classement / class: A

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