

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

Test 23
Date 16/05/14
Station ALPHA

AA45

REQUESTER, MANUFACTURER SAINT GOBAIN ECOPHON
NAME Master Rigid A 20 mm
FITNESS FOR PURPOSE Unchecked
STANDARDS EN ISO 354, EN ISO 11654, prEN 16487
CONFIGURATION 200 mm overall depth of construction

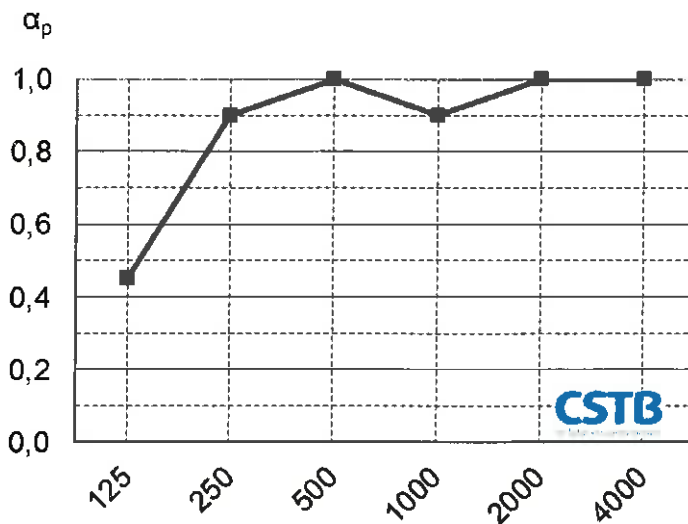
MAIN CHARACTERISTICS

Dimensions in mm : 2960x3550
Area in m² : 10.5
Thickness in mm : 20
Mass per unit area in kg/m²: 1.5
Mounting type : E-200

MEASUREMENT CONDITIONS

Empty room: Temperature: 18.0°C
Relative humidity: 60%
Room with sample: Temperature: 19.0°C
Relative humidity: 55%

RESULTS



f	α_p
125	0,45
250	0,90
500	1,00
1000	0,90
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.