

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

Test 29
Date 10/07/14
Station ALPHA

AA45

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

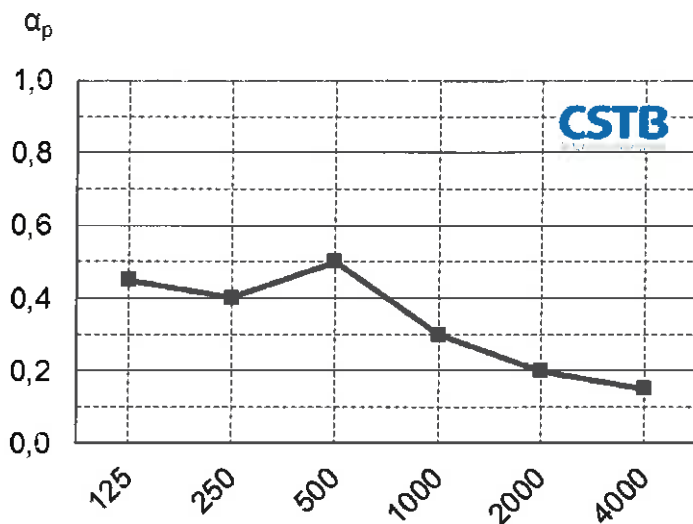
MAIN CHARACTERISTICS

Dimensions in mm : 2960 x 3550
Area in m² : 10.5
Thickness in mm : 20
Mass per unit area in kg/m²: 1.9
Mounting type : E-200

MEASUREMENT CONDITIONS

Empty room: Temperature: 21.0°C
Relative humidity: 64%
Room with sample: Temperature: 21.5°C
Relative humidity: 63%

RESULTS



f	α_p
125	0,45
250	0,40
500	0,50
1000	0,30
2000	0,20
4000	0,15
Hz	

$\alpha_w = 0,25(LM)^*$
classement / class: E

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