

**DESCRIPTION AND INSTALLATION
OF SUSPENDED CEILING PANELS**

Test 2
Date 09/15/16
Station ALPHA

REQUESTER, MANUFACTURER SAINT-GOBAIN EUROCOUSTIC

NAME Minerval A15

CONFIGURATION 200 mm high construction

FITNESS FOR PURPOSE Unchecked

MAIN CHARACTERISTICS

Dimensions in mm : 2980 x 3580
Area in m² : 10.6
Thickness in mm : 15
Mass per unit area in kg/m² : 1.45
Mounting type : E-200

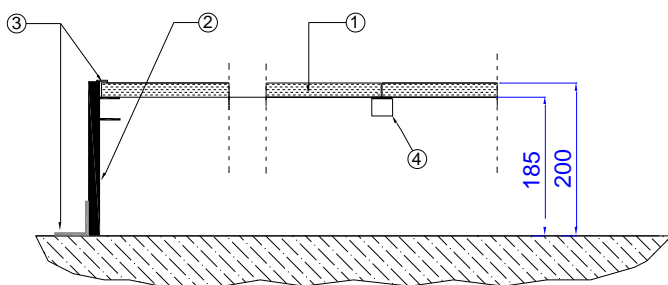
DESCRIPTION (dimensions are given in mm)

Panels	
Constitution	Stone wool panel of measured density 97 kg/m ³ , with painted fibreglass surface on the visible face and a mineral surface on the back.
Dimensions	600 x 600 x 15.
Edge	Right.

INSTALLATION (dimensions are given in mm)

The panels are put edge to edge with the painted face visible, on supports in order to create a pattern of 3000 x 3000 inside a MDF 30 thick frame laid on the floor.

The whole assembly is set up to create a 200 high plenum. An aluminium tape provide the sealing between the floor and the MDF.



- ① Panels
- ② MDF frame
- ③ Aluminum tape
- ④ Aluminum profiles



**SOUND ABSORPTION COEFFICIENT α_s
OF SUSPENDED CEILING PANELS**

Test 2
Date 09/15/16
Station ALPHA

AA45

REQUESTER, MANUFACTURER SAINT-GOBAIN EUROCOUSTIC

NAME Minerval A15

CONFIGURATION 200 mm high construction

FITNESS FOR PURPOSE Unchecked

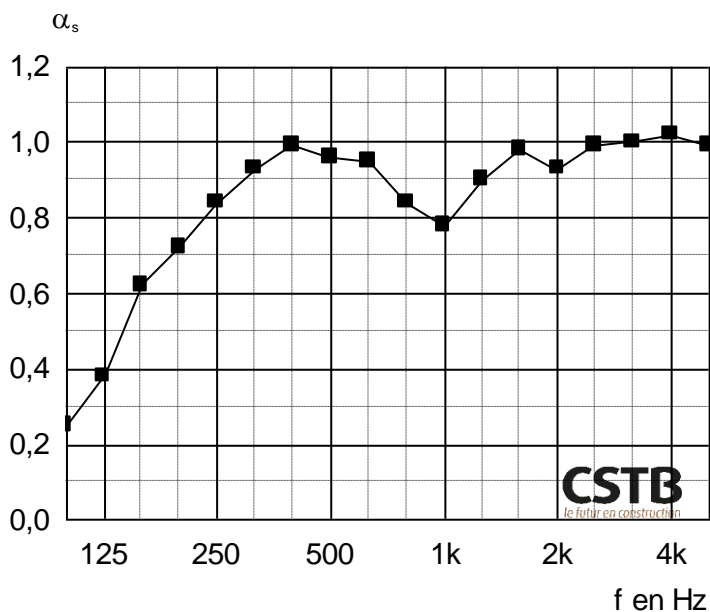
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MEASUREMENT CONDITIONS

Empty room: Temperature: 24.5 °C
Relative humidity: 67 %
Room with sample: Temperature: 24.5 °C
Relative humidity: 66 %

RESULTS



f	α_s
100	0,25
125	0,38
160	0,62
200	0,72
250	0,84
315	0,93
400	0,99
500	0,96
630	0,95
800	0,84
1000	0,78
1250	0,90
1600	0,98
2000	0,93
2500	0,99
3150	1,00
4000	1,02
5000	0,99
Hz	

$\alpha_w = 0,95$
classement : A

NRC = 0,90
SAA = 0,90