



Title: Sound Absorption Test Results

Product: Audition 8 Wall or Ceiling Panel with 1" Acoustical Backer

Application: Ceiling or Wall

Testing Standard: ASTM C423-17 (Type C25 Mount)

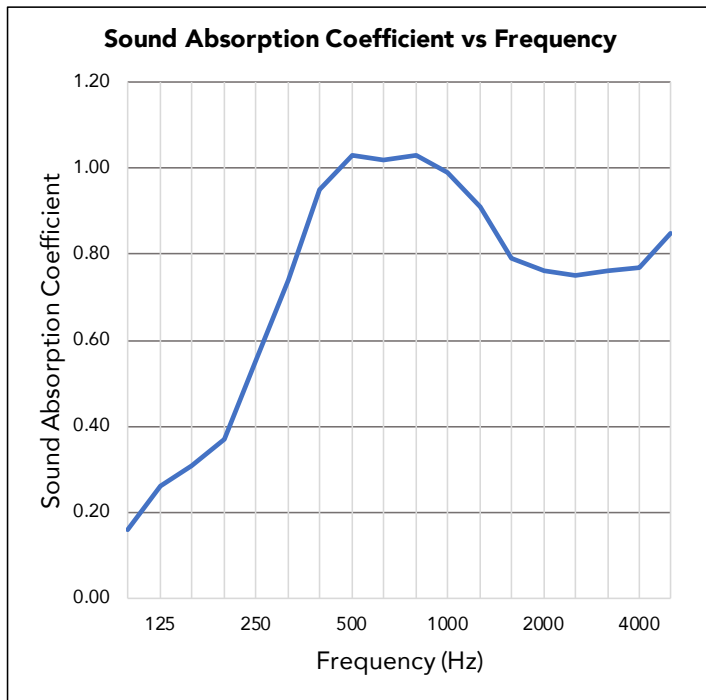
Test Date: 8/1/2019

Why this test: This test evaluates a products efficiency of absorbing sound at multiple frequencies. The test simulates the product’s acoustical performance with a direct attach ceiling or wall installation.

Test Result Summary: NRC - 0.85; SAA - 0.82

NRC	SAA
0.85	0.82

Frequency (Hz)	Absorption Coefficient
100	0.16
125	0.26
160	0.31
200	0.37
250	0.55
315	0.74
400	0.95
500	1.03
630	1.02
800	1.03
1000	0.99
1250	0.91
1600	0.79
2000	0.76
2500	0.75
3150	0.76
4000	0.77
5000	0.85



Test ID: OL19-0728

ASI TEST RESULT DISCLAIMER

ASI makes every effort to ensure the accuracy and reliability of the information provided. Laboratory testing is conducted by independent testing organizations. ASI does not guarantee that field tests or independent tests will not vary.

©2020 ASI Architectural

Sound absorption coefficient according to ASTM C423 - 17

Measurement of sound absorption coefficient in a reverberation room

Client: ASI Date of test: 8/1/2019
 Description: Audition 8 Perforated Wall Panel
 C25 Mounting
 Weight: 160.35 lbs. (72.73 kg) Backing: 14.95 lbs. (6.78 kg)

Object: 4 - 4'x4' & 2 - 1'x4' ASI Audition 8 panels
 C25 With 1" Backer

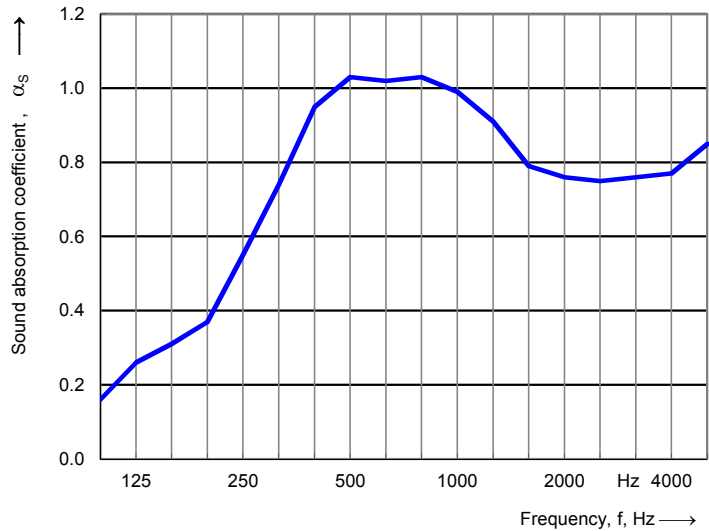
Empty reverberation room:	Reverberation room with object:
Relative humidity: 45.0 %	Relative humidity: 45.0 %
Temperature: 21.0 °C	Temperature: 21.0 °C
Barometric pressure: 760.0 mbar	Barometric pressure: 760.0 mbar

Surface area: 6.69 m²
 Room volume: 234.4 m³



C25 test with Audition 8 (1" backing)

Frequency f [Hz]	α_s 1/3 octave
100	0.16
125	0.26
160	0.31
200	0.37
250	0.55
315	0.74
400	0.95
500	1.03
630	1.02
800	1.03
1000	0.99
1250	0.91
1600	0.79
2000	0.76
2500	0.75
3150	0.76
4000	0.77
5000	0.85



Sound Absorption Average SAA:	0.82
Noise Reduction Coefficient NRC:	0.85

Name of test institute: Orfield Labs
 No. of test report: OL19-0728

Date: 8/2/2019

Signature: