



Title: Sound Absorption Test Results

Product: Audition 8 Wall or Ceiling Panel with 2" Acoustical Backer

Application: Ceiling

Testing Standard: ASTM C423-17 (Type E400 Mount)

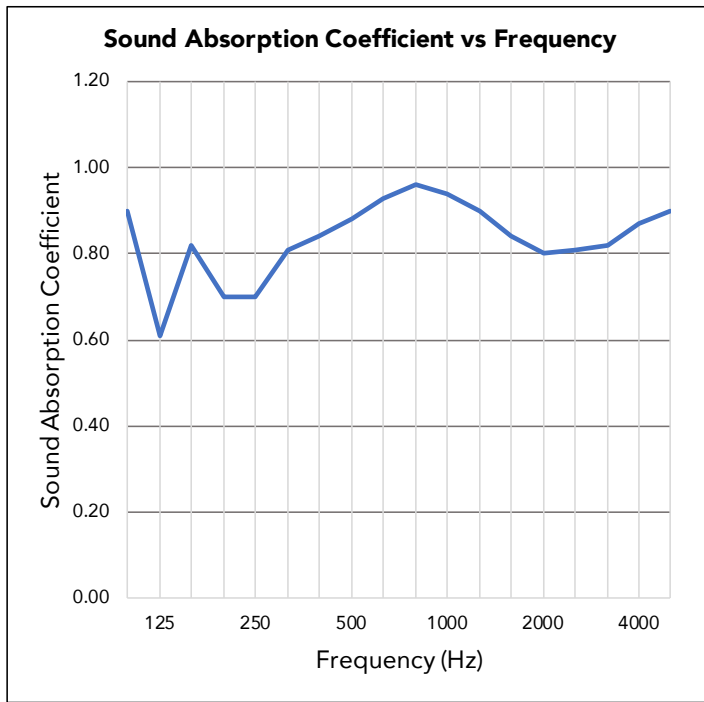
Test Date: 7/31/2019

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 lay-in ceiling installation.

Test Result Summary: NRC - 0.85; SAA - 0.84

NRC	SAA
0.85	0.84

Frequency (Hz)	Absorption Coefficient
100	0.90
125	0.61
160	0.82
200	0.70
250	0.70
315	0.81
400	0.84
500	0.88
630	0.93
800	0.96
1000	0.94
1250	0.90
1600	0.84
2000	0.80
2500	0.81
3150	0.82
4000	0.87
5000	0.90



Test ID: OL19-0727

ASI TEST RESULT DISCLAIMER

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Sound absorption coefficient according to ASTM C423 - 17

Measurement of sound absorption coefficient in a reverberation room

Client: ASI Date of test: 7/31/2019
 Description: Audition 8 Perforated Wall Panel
 E400 Mounting
 Weight: 160.35 lbs. (72.73 kg) Backing: 31.75 lbs. (14.40 kg)
 Object: 4 - 4'x4' & 2 - 1'x4' ASI Audition 8 panels
 With 2" Backer

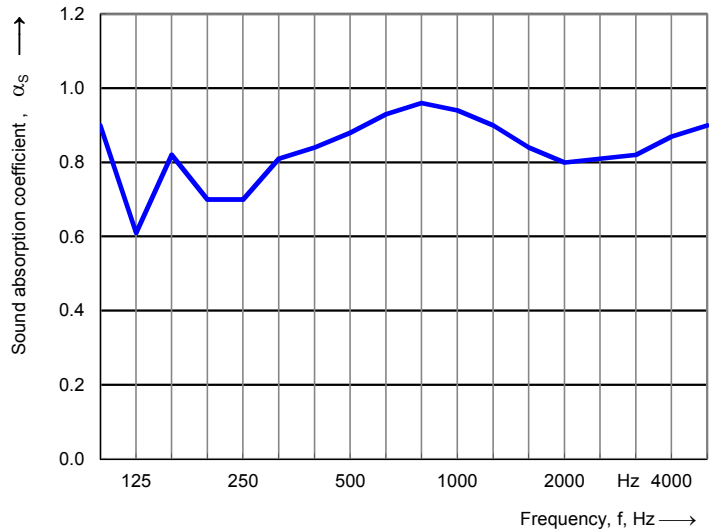
Empty reverberation room: Reverberation room with object:
 Relative humidity: 45.0 % Relative humidity: 45.0 %
 Temperature: 21.0 °C Temperature: 21.0 °C
 Barometric pressure: 760.0 mbar Barometric pressure: 760.0 mbar

Surface area: 6.69 m²
 Room volume: 234.4 m³



E400 test with Audition 8 (2" backing)

Frequency f [Hz]	α_s 1/3 octave
100	0.90
125	0.61
160	0.82
200	0.70
250	0.70
315	0.81
400	0.84
500	0.88
630	0.93
800	0.96
1000	0.94
1250	0.90
1600	0.84
2000	0.80
2500	0.81
3150	0.82
4000	0.87
5000	0.90



Sound Absorption Average SAA: 0.84
 Noise Reduction Coefficient NRC: 0.85

Name of test institute: Orfield Labs
 No. of test report: OL19-0727

Date: 8/2/2019

Signature:

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