Title: Sound Absorption Test Results

Product: Audition 8 Micro Groove Ceiling and Wall Panel

Application: Ceiling or Wall

Testing Standard: ASTM C423-17 (Type F6 Mount)

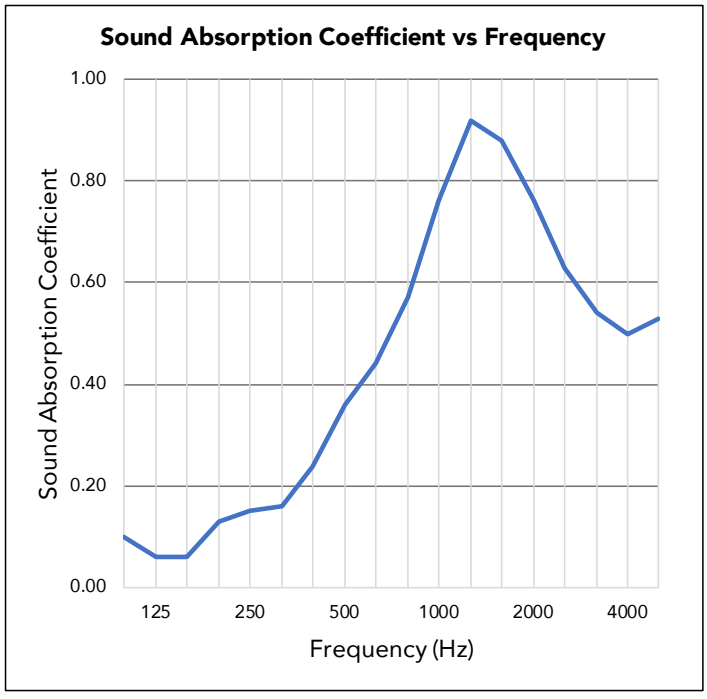
Test Date: 2/1/2021

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 ceiling or wall installation using a mechanical z-clip.

Test Result Summary: NRC - 0.50; SAA - 0.50

NRC	SAA
0.50	0.50

Frequency (Hz)	Absorption Coefficient
100	0.10
125	0.06
160	0.06
200	0.13
250	0.15
315	0.16
400	0.24
500	0.36
630	0.44
800	0.57
1000	0.76
1250	0.92
1600	0.88
2000	0.76
2500	0.63
3150	0.54
4000	0.50
5000	0.53



Test ID: OL21-0201

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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:	2/1/2021
Description:	Wood Veneer Kerfed and Perforated Ceiling and Wall Panels 1mm Kerf x 8mm o. c. spacing with SoundTex scrim		
Object:	8' x 9' C423 Sample in F6 Mounting 156.0 lbs. (approximately 47.2% Open Area)		

Empty reverberation room:		Reverberation room with object:	
Relative humidity:	58.0 %	Relative humidity:	58.0 %
Temperature:	20.0 °C	Temperature:	20.0 °C
Barometric pressure:	767.0 mbar	Barometric pressure:	767.0 mbar
Surface area:	6.69 m²		
Room volume:	234.4 m³		

F6 test with no backing

Laboratory Equipment & Procedures available upon request

Testing

For the scope of accreditation under
NVLAP code 200248-0

Frequency f [Hz]	α_s 1/3 octave
100	0.10
125	0.06
160	0.06
200	0.13
250	0.15
315	0.16
400	0.24
500	0.36
630	0.44
800	0.57
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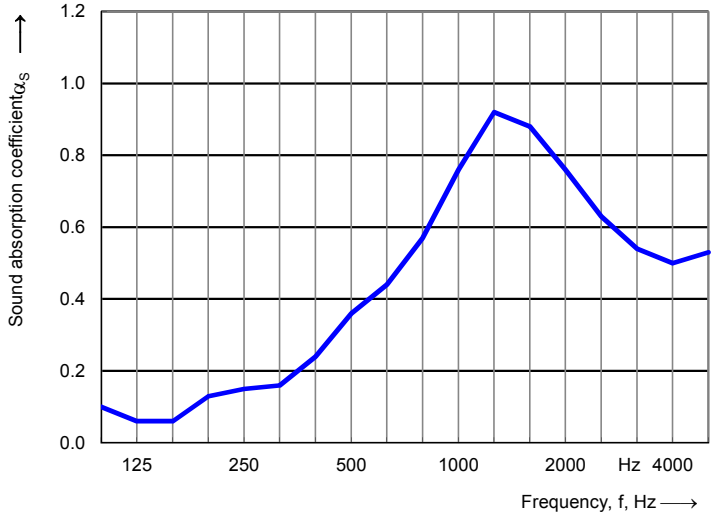

Sound Absorption Average SAA:	0.50
Noise Reduction Coefficient NRC:	0.50

Name of test institute:	Orfield Labs
No. of test report:	OL21-0201

Date: 2/22/2021 Signature: