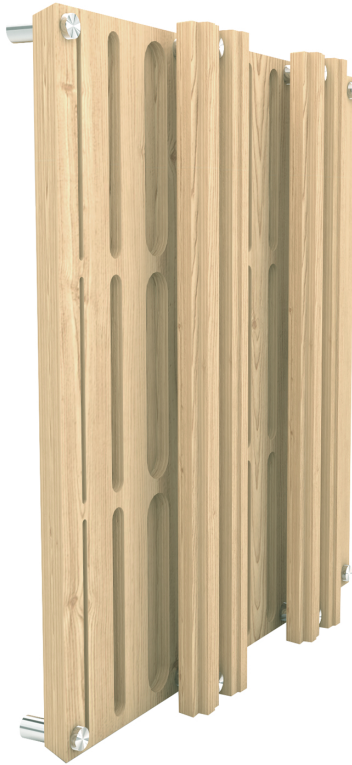


DIFFUSE Elite Acoustical Performance Data

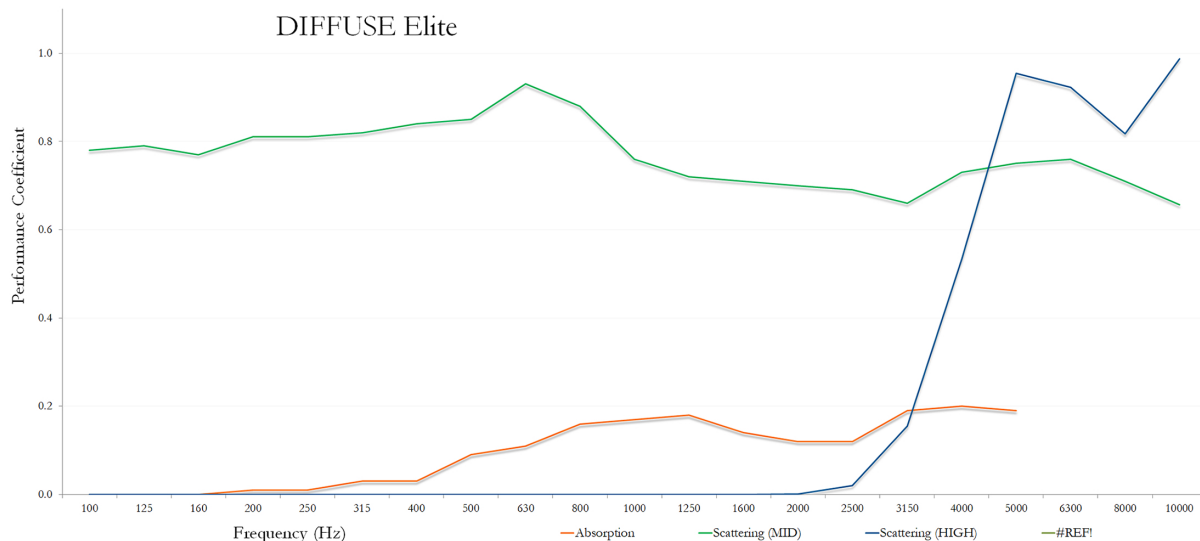
DIFFUSE Elite | WOOD

DIFFUSE Elite wood diffusion/scattering tests were conducted at NWAA Labs in accordance with ISO 17497-2 industry standard test methods. Absorption testing was conducted at Johns Manville Technical Center in accordance with ASTM C-423a industry standard test methods.



f (hz)	ISO - 17497-2		ASTM - C-423a	
	Mid Bandwidth	High Bandwidth		
	Scattering	Scattering	Absorption	
100	0.78	0.000	0.00	
125	0.79	0.000	0.00	
160	0.77	0.000	0.00	
200	0.81	0.000	0.01	
250	0.81	0.000	0.01	
315	0.82	0.000	0.03	
400	0.84	0.000	0.03	
500	0.85	0.000	0.09	
630	0.93	0.000	0.11	
800	0.88	0.000	0.16	
1000	0.76	0.000	0.17	
1250	0.72	0.000	0.18	
1600	0.71	0.000	0.14	
2000	0.70	0.001	0.12	
2500	0.69	0.020	0.12	
3150	0.66	0.155	0.19	
4000	0.73	0.533	0.20	
5000	0.75	0.954	0.19	
6300	0.76	0.923		
8000	0.71	0.817	SAA	0.09
10000	0.656	0.987	NRC	0.10

Test results indicate the performance of a DIFFUSE Elite panel consisting of a 2' x 2' rear section with a 1" air gap behind and (2) 2' long diffusive planks attached to the face using 1/2" standoffs.



ARITHMETIC

For additional testing data, please contact Arithmetic Design, Inc.
Verification of results is available from Sound Kinetics Labs and Johns Manville Technical Center.