

NOISEBLOCK™ Acoustical Performance Data

NOISEBLOCK panel acoustic performance is backed by independent testing in a NVLAP accredited laboratory. When tested in accordance with *ASTM C423, Standard Method of Test for Sound Absorption of Acoustic Materials in Reverberant Rooms*, the panel assembly shall have the following minimum airborne sound absorption:

Model	Construction ³	Sound Absorption						NRC ⁴
		125	250	500	1000	2000	4000	
STL-2 ¹	18 ga. solid / 22 ga. perforated	0.15	0.66	1.07	1.06	0.97	0.86	0.95
STL-2 ¹	16 ga. solid / 22 ga. perforated	0.15	0.66	1.07	1.06	0.97	0.86	0.95
STL-4 ²	18 ga. solid / 22 ga. perforated	0.60	1.13	1.12	1.09	1.03	0.91	1.00
STL-4 ²	16 ga. solid / 22 ga. perforated	0.60	1.13	1.12	1.09	1.03	0.91	1.00
HTL-4 ²	16 ga. solid / 22 ga. perforated + septum	0.60	1.13	1.12	1.09	1.03	0.91	1.00

When tested in accordance with *ASTM E90, Standard Recommended Practice for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions*, the panel assembly shall have the following minimum airborne sound transmission loss:

Model	Construction ³	Transmission Loss, dB						STC ⁵
		125	250	500	1000	2000	4000	
STL-2 ¹	18 ga. solid / 22 ga. perforated	17	23	34	47	55	57	37
STL-2 ¹	16 ga. solid / 22 ga. perforated	19	25	35	48	56	60	39
STL-4 ²	18 ga. solid / 22 ga. perforated	21	28	39	48	56	58	40
STL-4 ²	16 ga. solid / 22 ga. perforated	24	32	41	51	60	66	43
HTL-4 ²	16 ga. solid / 22 ga. perforated + septum	27	34	48	61	66	70	48
HTL-4 ²	16 ga. solid / 22 ga. solid	27	39	59	68	67	72	52

The acoustic performance of **NOISEBLOCK** panel systems is not degraded through prolonged exposure to noise, vibration, pressure differential, dampness, wind, rain or snow.

¹ (2) = 2-inch thickness

² (4) = 4-inch thickness

³ solid inner skin available

⁴ Noise Reduction Coefficient (NRC) is the average of coefficients at 250, 500, 1K and 2K Hz, expressed in the nearest integral multiple of 0.05.

⁵ Sound Transmission Class (STC) is determined by comparing test data with a set of standard STC contours as described in *ASTM E413, Standard Classification for Determination of Sound Transmission Class*.



kineticsnoise.com/noiseblock
 sales@kineticsnoise.com
 1-800-959-1229