

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-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

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.

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 ⁴
		125	250	500	1000	2000	4000	
STL-2 ¹	18 ga. solid / 22 ga. perforated	17	23	34	47	55	57	37
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 w/ septum	27	34	48	61	66	70	48

¹ (2) = 2-inch thickness

² (4) = 4-inch thickness

³ solid inner skin available

⁴ 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*.

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



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Manufacturing facilities in Ohio, USA; California, USA; and Ontario, Canada. Sales offices worldwide.

Kinetics Noise Control, Inc. is continually upgrading the quality of our products. We reserve the right to make changes without notice.