NOISEBLOCK™ Acoustical Performance Data

Sound Absorption Coefficients

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[2]	Sound Absorption						NRC[3]
		125	250	500	1000	2000	4000	
STL-4[1]	16 ga. solid / 22 ga. perforated	0.60	1.13	1.12	1.09	1.03	0.91	1.00
STL-4[1]	18 ga. solid / 22 ga. perforated	0.60	1.13	1.12	1.09	1.03	0.91	1.00

[1] (4) = 4-inch thickness
[2] solid inner skin available
[3] 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.

Sound Transmission Loss

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[2]	Transmission Loss, dB						STC[3]
		125	250	500	1000	2000	4000	
STL-4[1]	16 ga. solid / 22 ga. perforated	24	32	41	51	60	66	43
STL-4[1]	18 ga. solid / 22 ga. perforated	21	28	39	48	56	58	40

[1] (4) = 4-inch thickness
[2] solid inner skin available
[3] 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, rain, wind or snow.

KINETICS Noise Control

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