

ACOUSTIC FLOOR BLOCKS

DATA SHEET

Product Properties

Material	Mixed-cell PU elastomer (polyurethane)
Color	Red, grey, turquoise or violet
Dimensions	2" × 2" × 2"
Common Applications	Recording studios, Performance Venues, Cinemas, Clubs, Bars, Gyms, MEP Rooms, Laboratories
Certifications	VOC A+



Natural Frequency $f_0 \geq 7$ Hz

Product Types

	AFB 30	AFB 60	AFB 110	AFB 160
Sylomer®	SR 220	SR 450	SR 850	SR 1200
Max. Load per Block	66 lbs	132 lbs	243 lbs	353 lbs

Material Properties

		Test Methods	Notes
Flammability	Class E	EN ISO 11925-2	Classification as per EN13501-1
Temperature range	-20 °F to 158 °F		Higher temperatures possible for short periods

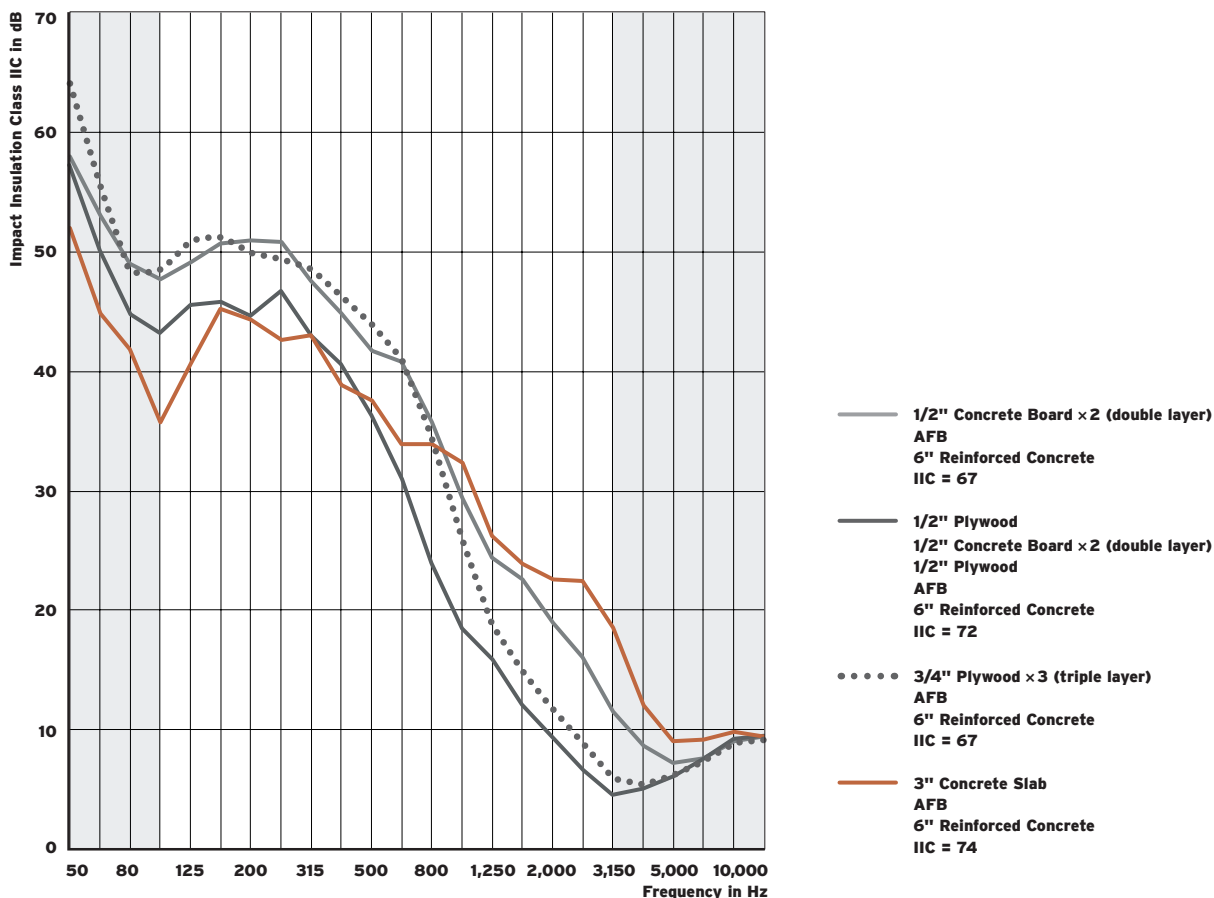
Measured Acoustic Performance

Structural Floor	Floor Build-Up	Value*	
Reinforced Concrete 6"	1/2" Concrete Board × 2 (double layer)	STC	60
		IIC	67
		HIIC	73
	1/2" Plywood 1/2" Concrete Board × 2 (double layer) 1/2" Plywood	STC	60
		IIC	72
		HIIC	80
	3/4" Plywood × 3 (triple layer)	STC	60
		IIC	67
		HIIC	72

* Acoustic performance based on third-party laboratory measurements conducted without a suspended ceiling.
Testings as per ASTM E90 / E492.
Ratings as per ASTM E413 / E989.
Laboratory results may not reflect on-site conditions. Test reports available upon request.

Frequency Dependent Impact Sound Pressure Level

Tapping machine excitation



Product Benefits

- Made of high quality Sylomer® polyurethane
- Very high acoustic performance, efficient in low frequencies
- Excellent long-term material behavior with low creeping and proven durability over decades
- Adjustable to different load conditions through variable spacing and load bearing capacity

Recommendations

- AFBs must be designed carefully according to the expected quasi-permanent load combination
- Recommended default c/c inter-distances 16" x 16"
- Recommended use of ≤ 1.6 " low density (≤ 1.9 lb/ft³) mineral wool between the blocks
- Recommended use of a lost framework of minimum 3/4" before pouring concrete
- Metal channels (dry lining profiles) can be used for easier and faster installation

Standard Delivery

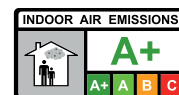
Carton Box 245 pieces

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All information and data are based on our current knowledge. They can be used in calculations and for reference purposes, but is subject to typical manufacturing tolerances and does not represent warranted properties. Subject to change without notice.