

ACOUSTIC FLOOR MAT 29

DATA SHEET

Product Properties

Material	Mixed-cell PU elastomer (polyurethane)
Color	Steel blue
Dimensions	4.92' x 2.45' x 7/16"
Common Applications	Mixed-use buildings, Hotels, Supermarkets, Gyms, Healthcare
Certifications	• ETA-21/0143 • VOC A+



Impact sound reduction 29 dB

according to EN ISO 717-2

Material Properties

		Test Methods	Notes
Thickness	7/16" / 1/4"	EN ISO 29770	Wave-profiled
Dynamic stiffness s'	36.8 pci	EN 29052-1	
Compressibility c (d _L - d _B)	1/32"	EN ISO 29770	
Flammability	Class E	EN ISO 11925-2	Classification as per EN13501-1
Thermal conductivity λ	0.42 BTU·in/(h·ft²·°F)	EN 12667	
Temperature range	-20 °F to 158 °F		Higher temperatures possible for short periods
Load range	≤1,024 lb/ft²		

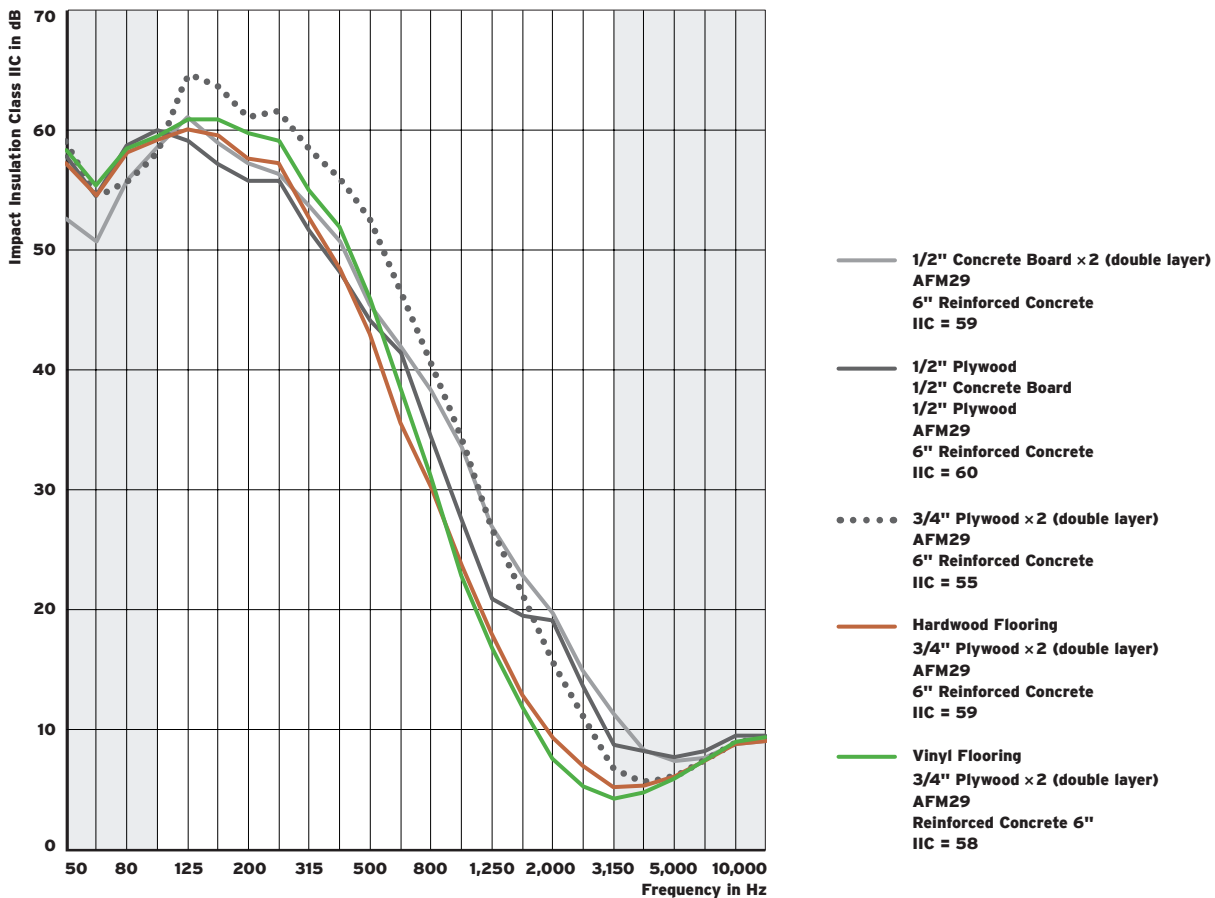
Measured Acoustic Performance

Structural Floor	Floor Build-Up	Value*	Hardwood	LVP
Reinforced Concrete 6"	1/2" Concrete Board x2 (double layer)	STC	58	
		IIC	59	
		HIIC	70	
	1/2" Plywood 1/2" Concrete Board 1/2" Plywood	STC	58	
		IIC	60	
		HIIC	72	
	3/4" Plywood x2 (double layer)	STC	58	59
		IIC	55	58
		HIIC	64	71

* 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

- Wave-profiled, uniformly effective over the entire load range
- High acoustic performance for a limited thickness, efficient in low frequencies
- Excellent long-term material behavior with low creeping and proven durability over decades
- Compatible with underfloor heating and cooling
- Easy handling and quick installation by a single person

Recommendation

The waves must always be placed downward, facing the supporting floor.

Standard Delivery

Mat Dimension	4.92' x 2.45' x 7/16"
Pallet (100 items = 1,210 ft²)	4.92' x 2.62' x 3.94'

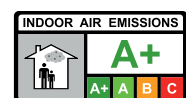
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All information and data are based on our current knowledge. They can be used in calculations and for reference purposes, but is subject to typical manufacturing tolerances and does not represent warranted properties. Subject to change without notice.



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