

Acousti-Mat II Sound Ratings

	1/4" (6.4 mm) Acousti-Mat II	Underlayment	Insulation	Ceiling Suspended on Channel	Floor Coverings	Ceiling Drywall	Rating	Test Numbers
Parallel Chord Truss 2"x4" (50x102 mm) w/3/4" (19 mm) OSB Subfloor	Yes	1" (25 mm)	Yes	Yes	Vinyl	5/8" (16 mm)	61 F-STC 55 F-IIC	98 67280.7 & .4
	Yes	1" (25 mm)	Yes	Yes	Ceramic	5/8" (16 mm)	56 F-IIC	98 67280.5
Precast Concrete (6" thick, 2' wide) (152x61 mm)	Yes	1" (25 mm)	Yes	Yes	Ceramic	5/8" (16 mm)	59 STC	RAL-TL-98-108
	Yes	1" (25 mm)	Yes	Yes	Ceramic	5/8" (16 mm)	57 IIC	RAL-IN-98-12
TJI® Joist w/3/4" (19mm) T&G OSB Subfloor	Yes	1" (25 mm)	Yes	Yes	Vinyl	5/8" (16 mm)	53F-IIC	99 1736.3
	Yes	1" (25 mm)	Yes	Yes	None	5/8" (16 mm)	56 F-STC	99 1736.7
	Yes	1" (25 mm)	Yes	Yes	Ceramic	5/8" (16 mm)	52 F-IIC	99 1736.4
	Yes	1 1/2" (38 mm)	Yes	Yes	Ceramic	2 layers 5/8" (2 x 16 mm)	52 F-IIC	48-06-5
8" Cast-in-Place Concrete (203 mm)	Yes	1" (25 mm)	No	No	Armstrong Vinyl	No	62 F-STC	18-0-607.2
	No	1" (25 mm)	No	No	None	No	39 F-IIC	18-0-607.3
	Yes	1" (25 mm)	No	No	Armstrong Vinyl	No	64 F-IIC	18-0-607.5
	Yes	1" (25 mm)	No	No	Ceramic Tile	No	61 F-IIC	18-0-607.6
	Yes	1" (25 mm)	No	No	Bruce Engineered	No	60 F-IIC	18-0-607.7
Bare Concrete, no Acousti-Mat	No	1" (25 mm)	No	No	None	No	39 F-IIC	18-0-607.3
Nascor NJ10 I-Joist	Yes	1" (25 mm)	Yes	Yes	Vinyl	2 Layer 1/2"	56 IIC	J20042169-27A
	Yes	1" (25 mm)	Yes	Yes	Ceramic	2 Layer 1/2"	55 IIC	J20042169-017A-02
	Yes	1" (25 mm)	Yes	Yes	Vinyl	2 Layer 1/2"	54 IIC	J20042169-17B

F-IIC (Field Impact Insulation Class) sound tests were performed in accordance with ASTM E 1007 and E989. F-STC (Field Sound Transmission Class) sound tests were performed in accordance with ASTM E 336 and E 413. Actual tests are available upon request. Maxxon Underlayments and Acousti-Mat II are but two components of an effective sound control system. No sound control system is better than its weakest component. Care must be taken in the installation of components of construction to assure the ultimate designed acoustical performance.