

Enkasonic® Sound Ratings

Floor System	.4" (10.2 mm) Enkasonic	Underlayment	Ceiling			Ceiling Drywall	Floor Coverings	Rating	Test Numbers
			Insulation	Suspended on Channel					
2x10 Wood Joist									
w/ 5/8" (16 mm) Plywood Subfloor	Yes	1-1/2" (28 mm) Maxxon	Yes	Yes	5/8" (16 mm)	Ceramic Tile	57 IIC	IN88-2	
	Yes	7/16" (11 mm) Wonder-Board	Yes	Yes	5/8" (16 mm)	Tile	62 STC	JN 8010	
	Yes	7/16" (11 mm) Wonder-Board	Yes	Yes	5/8" (16 mm)	Tile	58 IIC	JN 8010	
	Yes	1-1/4" (32 mm) mortar bed	Yes	Yes	5/8" (16 mm)	Tile	60 STC	80-74	
	Yes	1-1/4" (32 mm) mortar bed	Yes	Yes	5/8" (16 mm)	Tile	55 IIC	80-1	
Parallel Chord Truss	Yes	1-1/2" (28 mm) Maxxon	Yes	Yes	5/8" (16 mm)	None	59 F-STC	87-729-13	
2" x 4" (50 x 102 mm) 12" deep									
w/ 3/4" (19 mm) T&G OSB Subfloor	Yes	1-1/2" (28 mm) Maxxon	Yes	Yes	5/8" (16 mm)	Carpet and Pad	83 F-IIC	87-729-7	
	Yes	1-1/2" (28 mm) Maxxon	Yes	Yes	5/8" (16 mm)	Vinyl	55 F-IIC	87-729-6	
Parallel Chord Truss	Yes	1-1/2" (28 mm) Maxxon	Yes	Yes	5/8" (16 mm)	Quarry Tile	59 IIC	7004073	
18" deep, 14" oc plywood subfloor	Yes	1-1/2" (28 mm) Maxxon	Yes	Yes	5/8" (16 mm)	Quarry Tile	58 STC	5004024	
	Yes	1-1/2" (28 mm) Maxxon	Yes	Yes	5/8" (16 mm)	Vinyl	55 IIC	7004081	
	Yes	1-1/2" (28 mm) Maxxon	Yes	Yes	5/8" (16 mm)	Floating Wood	57 IIC	7004082	
	Yes	1-1/2" (28 mm) Maxxon	Yes	Yes	5/8" (16 mm)	Glue Down Wood	57 IIC	7004083	
4" Precast Concrete	Yes	7/16" (11 mm) Wonder-Board	No	No	None	Tile	55 STC	90-155	
4" x 2' (102 mm x 610 mm)	Yes	7/16" (11 mm) Wonder-Board	No	No	None	Tile	52 IIC	90-8	
8" Hollowcore Precast Concrete	Yes	7/16" (11 mm) Wonder-Board	No	No	None	Tile	59 STC	83-17	
8" x 2' (203 mm x 610 mm)	Yes	7/16" (11 mm) Wonder-Board	No	No	None	Tile	52 IIC	83-1	
	Yes	1-1/4" (32 mm) mortar bed	Yes	Yes	5/8" (16 mm)	Tile	61 STC	82-165	
	Yes	1-1/4" (32 mm) mortar bed	Yes	Yes	5/8" (16 mm)	Tile	62 IIC	82-11	
	Yes	1-1/4" (32 mm) mortar bed	No	No	None	Tile	60 STC	82-166	
	Yes	1-1/4" (32 mm) mortar bed	No	No	None	Tile	54 IIC	82-12	
	Yes	1-1/4" (32 mm) mortar bed	Yes	Yes	5/8" (16 mm)	Vinyl	61 STC	82-141	
	Yes	1-1/4" (32 mm) mortar bed	Yes	Yes	5/8" (16 mm)	Vinyl	67 IIC	82-9	
	Yes	2 layers - 3/8" plywood	Yes	Yes	5/8" (16 mm)	T&G Oak	60 STC	82-98	
	Yes	2 layers - 3/8" plywood	Yes	Yes	5/8" (16 mm)	T&G Oak	61 IIC	82-7	
8" Hollowcore Precast Concrete	Yes	1-1/2" (28 mm) Maxxon	No	No	n/a	Vinyl Plank	57 F-IIC	TBA	
8" x 2' (203 mm x 610 mm), no ceiling,	Yes	1-1/2" (28 mm) Maxxon	No	No	n/a	DuraCeramic Tile	61 F-IIC	TBA	
w/ Maxxon Underlayment	Yes	1-1/2" (28 mm) Maxxon	No	No	n/a	Wood	61 F-IIC	TBA	
(control)	No	1-1/2" (28 mm) Maxxon	No	No	n/a	None	19 F-IIC	TBA	
Hambro D-500 Composite Floor System	Yes	1-1/2" (28 mm) Maxxon	No	Yes	1/2" (12 mm)	Vinyl	53 IIC	7004079	
	Yes	1-1/2" (28 mm) Maxxon	No	Yes	1/2" (12 mm)	Quarry Tile	54 IIC	7004078	
	Yes	1-1/2" (28 mm) Maxxon	No	Yes	1/2" (12 mm)	Floating Laminate	55 IIC	7004080	
	Yes	1-1/2" (28 mm) Maxxon	No	Yes	1/2" (12 mm)	Quarry Tile	54 STC	5004027	
	Yes	1-1/2" (28 mm) Maxxon	No	Yes	1/2" (12 mm)	Glue Down Wood	51 IIC	7004084	
TJI® Joist	Yes	1-1/2" (28 mm) Maxxon	Yes	Yes	2 layers 5/8" (2 x 16 mm)	Ceramic	56 F-IIC	48-06-01	
	Yes	1-1/2" (28 mm) Maxxon	Yes	Yes	2 layers 5/8" (2 x 16 mm)	Ceramic	57 F-STC	48-06-02	

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.