

Enkasonic Sound Ratings

Floor System .4" (10.2mm) Enkasonic	Topping	Insulation	Ceiling Susp. on Chan.	Ceiling Drywall	Floor Covering	Rating	Test Number
Wood Joist w/ 5/8" (16 mm) plywood subfloor, 2" x 10" (51 mm - 254 mm) joists	1-1/2" (38 mm) Maxxon*	Yes	Yes	5/8" (16 mm)	Ceramic Tile	57-IIC	IN88-2
Parallel Chord Truss 2" x 4" (50 x 102 mm) 12" deep with 3/4" (19 mm) T&G OSB subfloor	1-1/2" (38 mm) Maxxon*	Yes	Yes	5/8" (16 mm)	None Carpet and Pad	59-FSTC	87-729-13
	1-1/2" (38 mm) Maxxon*	Yes	Yes	5/8" (16 mm)		83-FIIC	87-729-7
4" Precast Concrete (102 mm) 4" x 2' (102 mm x 61 cm)	7/16" Wonder-Board	No	No	None	Tile	55-STC, 52 IIC	90-155, 90-8
8" Precast Concrete (203 mm) 8" x 2' (203 mm x 61 cm)	7/16" Wonder-Board	No	No	None	Tile	59-STC, 52 IIC	83-17, 83-1
	1-1/4" (19 mm) mortar bed	Yes	Yes	5/8" (16 mm)	Tile	61-STC, 62 IIC	82-165, 82-11
	1-1/4" (19 mm) mortar bed	No	No	None	Tile	60-STC, 54 IIC	82-166, 82-12
	1-1/4" (19 mm) mortar bed	Yes	Yes	5/8" (16 mm)	Vinyl	61-STC, 67 IIC	82-141, 82-9
	2 layers - 3/8" plywood	Yes	Yes	5/8" (16 mm)	T&G Oak	60-STC, 61 IIC	82-98, 82-7
Wood Joist w/ 5/8" (16 mm) plywood subfloor, 2" x 10" (51 mm - 254 mm) joists	7/16" Wonder-Board	Yes	Yes	5/8" (16 mm)	Tile	62-STC, 58 IIC	JN 8010
	1-1/4" (19 mm) mortar bed	Yes	Yes	5/8" (16 mm)	Tile	60-STC, 55 IIC	80-74, 80-1
Parallel Chord Truss 18" deep, 14" oc plywood subfloor	1-1/2" (38 mm) Maxxon*	Yes	Yes	5/8" (16 mm)	Quarry Tile	59-IIC	7004073
	1-1/2" (38 mm) Maxxon*	Yes	Yes	5/8" (16 mm)	Quarry Tile	58-STC	5004024
	1-1/2" (38 mm) Maxxon*	Yes	Yes	5/8" (16 mm)	Vinyl	55-IIC	7004081
	1-1/2" (38 mm) Maxxon*	Yes	Yes	5/8" (16 mm)	Floating Wood	57-IIC	7004082
	1-1/2" (38 mm) Maxxon*	Yes	Yes	5/8" (16 mm)	Glue down Wood	57-IIC	7004083
Hambro D-500 Composite Floor System	1-1/2" (38 mm) Maxxon*	No	Yes	1/2" (12 mm)	Vinyl	53-IIC	7004079
	1-1/2" (38 mm) Maxxon*	No	Yes	1/2" (12 mm)	Quarry Tile	54-IIC	7004078
	1-1/2" (38 mm) Maxxon*	No	Yes	1/2" (12 mm)	Floating Laminate	55-IIC	7004080
	1-1/2" (38 mm) Maxxon*	No	Yes	1/2" (12 mm)	Quarry Tile	54-STC	5004027
	1-1/2" (38 mm) Maxxon*	No	Yes	1/2" (12 mm)	Glue down Wood	51-IIC	7004084
TJI® Joist w/3/4" (19mm) T&G OSB Subfloor	1-1/2" (38 mm) Maxxon*	Yes	Yes	2 layers 5/8" (2 x 16 mm)	Ceramic	56 F-IIC	48-06-01
	1-1/2" (38 mm) Maxxon*	Yes	Yes	2 layers 5/8" (2 x 16 mm)	Ceramic	57 F-STC	48-06-02

* Approved Maxxon Underlayment

F-IIC (Field Impact Insulation Class) sound tests were performed in accordance with ASTM E 1007 and E 989. F-STC (Field Sound Transmission Class) sounds tests were performed in accordance with ASTM E 336 and E 413. Actual tests above, plus additional tests, are available upon request. Maxxon Underlayments and Acousti-Mat/Enkasonic 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 all components of construction to assure the ultimate designed acoustical performance.