

Rapid Floor Systems Underlayment Sound Ratings — Tested Assemblies

Floor System	Underlayment	Insulation	Ceiling Suspended on Channel	Ceiling Drywall	Floor Covering	Rating*	Test Numbers
Truss Plate Institute w/3/4" (19 mm) T&G plywood subfloor							
	3/4" (19 mm)	Yes	Yes	5/8" (16 mm)	Vinyl	57-FSTC	98.67280.10
	3/4" (19 mm)	Yes	Yes	5/8" (16 mm)	Vinyl	50-FIIC	98.67280.1
	3/4" (19 mm)	Yes	Yes	5/8" (16 mm)	Ceramic	46-FIIC	98.67280.12
Metal Joist 9 1/2" (247 mm) w/3/4" (19 mm) T&G OSB subfloor							
	3/4" (19 mm)	Yes	Yes	5/8" (16 mm)	Vinyl	49-FIIC	94-2278
	3/4" (19 mm)	Yes	Yes	5/8" (16 mm)	Carpet & Pad	51-FSTC	94-2168.1
	3/4" (19 mm)	Yes	Yes	5/8" (16 mm)	Carpet & Pad	73-FIIC	94-2168.2
SpaceJoist® Metal Web Truss 16" deep w/3/4" (19 mm) T&G OSB subfloor							
	3/4" (19 mm)	Yes	Yes	5/8" (16 mm)	Vinyl	51-FIIC	51210-4
	3/4" (19 mm)	Yes	Yes	5/8" (16 mm)	Mannington 3/8" laminate floating floor over Quietwalk	54-FIIC	51210-5
	3/4" (19 mm)	Yes	Yes	5/8" (16 mm)	Carpet & Pad	70-FIIC	51210-3
	3/4" (19 mm)	Yes	Yes	5/8" (16 mm)	Carpet & Tile	52-FSTC	51210-1
Wood Joist w/5/8" (16 mm) plywood subfloor							
	3/4" (19 mm)	Yes	Yes	5/8" (16 mm)	Hi-Grade Residential Carpet & Cushion	53-STC / 78-IIC	
	3/4" (19 mm)	Yes	Yes	5/8" (16 mm)	Lo-Grade Residential Carpet & Cushion	52-STC / 81-IIC	
	3/4" (19 mm)	Yes	Yes	5/8" (16 mm)	Hi-Grade Commercial Carpet & Cushion	52-STC / 71-IIC	
	3/4" (19 mm)	Yes	Yes	5/8" (16 mm)	Med-Grade Commercial Carpet & Cushion	50-STC / 70-IIC	
	3/4" (19 mm)	Yes	Yes	5/8" (16 mm)	Bare Floors, No Carpet or Cushion	50-STC	
	3/4" (19 mm)	Yes	Yes	5/8" (16 mm)	Sheet Vinyl	50-STC	
	3/4" (19 mm)	Yes	Yes	5/8" (16 mm)	Vinyl Tile	52-STC	
	3/4" (19 mm)	Yes	Yes	5/8" (16 mm)	Wood Parquet Floor	51-STC	
	3/4" (19 mm)	Yes	Yes	5/8" (16 mm)	Ceramic Tile	51-STC	
Wood Joist w/5/8" (16 mm) plywood subfloor							
	3/4" (19 mm)	Yes	Yes	5/8" (16 mm)	Lo-Grade Commercial Carpet & Cushion	54-STC / 76-IIC	
	3/4" (19 mm)	Yes	Yes	5/8" (16 mm)	Hi-Grade Residential Carpet & Cushion	54-STC / 80-IIC	
	3/4" (19 mm)	Yes	Yes	5/8" (16 mm)	Med-Grade Residential Carpet & Cushion	54-STC / 82-IIC	
	3/4" (19 mm)	Yes	Yes	5/8" (16 mm)	Bare Floor, No Carpet & Cushion	53-STC	
*NOTE: Tested in accordance with ASTM E 90-85, ASTM E 492-77, ASTM E 336 and ASTM E 1007							
Rapid Floor underlayments are but single 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.							

Product Thickness Over Wood Subfloors		
Subfloor thickness	Truss, beam or joist spacing	Minimum thickness of underlayment
19/32" (15 mm) [5/8"]	16 – 19.2" o.c. (406 – 487 mm)	3/4" (19 mm)
19/32" (15 mm) [5/8"]	19.2 – 24" o.c. (487 – 610 mm)	1" (25 mm)
23/32" (18 mm) [3/4"]	16 – 24" o.c. (406 – 610 mm)	3/4" (19 mm)

**Warranties** Rapid Floor® Systems underlayments are warranted to be free from manufacturing defects as defined in this warranty. Manufacturing defects are considered to be those defects that occur due to the quality of the underlayment ingredients or from the manufacturing process itself. This warranty does not include labor costs and other costs or expenses associated with the removal or installation of any underlayment. Because Maxxon® Corporation does not install the underlayment, it cannot be held responsible for the results of the application. Maxxon Corporation specifically disclaims problems that occur due to weather conditions, structural movement, structural design flaws and application techniques. This warranty is in lieu of all other warranties expressed or implied including the warranty of merchantability and fitness of purpose and of all other obligations or liabilities on Maxxon Corporation's part. Maxxon Corporation neither assumes, nor authorizes any person to assume for Maxxon Corporation, any liability with the sale and installation of any of its floor underlayments.