

Acousti-Mat® II Sound Ratings

| Floor System | 1/4" (6.4 mm) | | Ceiling Suspended | | | Floor Coverings | Rating | Test Numbers |
|--|----------------|------------------------|-------------------|------------|-------------------------------|------------------|----------|-------------------|
| | Acousti-Mat II | Underlayment | Insulation | on Channel | Ceiling Drywall | | | |
| 2 x 10 Wood Joist w/ 5/8" (16 mm) plywood subfloor | Yes | 1" (25 mm) Maxxon | Yes | Yes | 5/8" (16 mm) | Tile | 53 STC | 100336557CRT-001g |
| | Yes | 1" (25 mm) Maxxon | Yes | Yes | 5/8" (16 mm) | Tile | 50 IIC | 100336557CRT-001k |
| | Yes | 1" (25 mm) Maxxon | Yes | Yes | 5/8" (16 mm) | Vinyl Plank | 53 IIC | 100336557CRT-001n |
| | Yes | 1" (25 mm) Maxxon | Yes | Yes | 5/8" (16 mm) | Floating Wood | 53 IIC | 100336557CRT-001l |
| | Yes | 1" (25 mm) Maxxon | Yes | Yes | 5/8" (16 mm) | Vinyl | 52 IIC | 100336557CRT-001m |
| Parallel Chord Truss 2" x 4" (50 x 102 mm) w/ 3/4" (19 mm) OSB Subfloor | Yes | 1" (25 mm) Maxxon | Yes | Yes | 5/8" (16 mm) | Vinyl | 61 F-STC | 98 67280.7 |
| | Yes | 1" (25 mm) Maxxon | Yes | Yes | 5/8" (16 mm) | Vinyl | 55 F-IIC | 98 67280.4 |
| | Yes | 1" (25 mm) Maxxon | Yes | Yes | 5/8" (16 mm) | Ceramic | 56 F-IIC | 98 67280.5 |
| Precast Concrete 6" x 2' (152 mm x 610 mm) | Yes | 1" (25 mm) Maxxon | Yes | Yes | 5/8" (16 mm) | Ceramic | 59 STC | RAL-TN-98-108 |
| | Yes | 1" (25 mm) Maxxon | Yes | Yes | 5/8" (16 mm) | Ceramic | 57 IIC | RAL-TN-98-12 |
| TJI® Joist w/ 3/4" (19 mm) T&G OSB Subfloor | Yes | 1" (25 mm) Maxxon | Yes | Yes | 5/8" (16 mm) | Vinyl | 53 F-IIC | 99 1736.3 |
| | Yes | 1" (25 mm) Maxxon | Yes | Yes | 5/8" (16 mm) | None | 56 F-STC | 99 1736.7 |
| | Yes | 1" (25 mm) Maxxon | Yes | Yes | 5/8" (16 mm) 2 layers 5/8" | Ceramic | 52 F-IIC | 99 1736.4 |
| | Yes | 1-1/2" (38 mm) Maxxon | Yes | Yes | (2 x 16 mm) | Ceramic | 52 F-IIC | 48-06-5 |
| 8" Cast-in-Place Concrete (203 mm) | Yes | 1" (25 mm) Maxxon | No | No | No | Armstrong Vinyl | 62 F-STC | 18-0-607.2 |
| | No | 1" (25 mm) Maxxon | No | No | No | None | 39 F-IIC | 18-0-607.3 |
| | Yes | 1" (25 mm) Maxxon | No | No | No | Armstrong Vinyl | 64 F-IIC | 18-0-607.5 |
| | Yes | 1" (25 mm) Maxxon | No | No | No | Ceramic Tile | 61 F-IIC | 18-0-607.6 |
| | Yes | 1" (25 mm) Maxxon | No | No | No | Bruce Engineered | 60 F-IIC | 18-0-607.7 |
| Bare Concrete, no Acousti-Mat | No | 1" (25 mm) Maxxon | No | No | No | None | 39 F-IIC | 18-0-607.3 |
| 8" Cast-in-Place Concrete (203 mm) | Yes | 2-1/2" (63.5 mm) | No | No | No | None | 55 F-IIC | 03-56381.4 |
| Steel Joists w/ Corrugated Steel Deck | Yes | 1-9/16" (40 mm) Maxxon | Yes | Yes | 5/8" (16 mm) | None | 58 A-STC | ASTC09-0106.01 |
| | Yes | 1-9/16" (40 mm) Maxxon | Yes | Yes | 5/8" (16 mm) | Sheet Vinyl | 47 F-IIC | FIIC09-0106.03 |
| | Yes | 1-9/16" (40 mm) Maxxon | Yes | Yes | 5/8" (16 mm) | Vinyl Plank | 47 F-IIC | FIIC09-0106.02 |
| | Yes | 1-9/16" (40 mm) Maxxon | Yes | Yes | 5/8" (16 mm) | Tile | 49 F-IIC | FIIC09-0106.01 |

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.