

## Acousti-Mat® LPR Sound Ratings

| Floor System                 | Topping                             | Insulation | Ceiling Suspended |                     |                  | Rating   | Test Numbers |
|------------------------------|-------------------------------------|------------|-------------------|---------------------|------------------|----------|--------------|
|                              |                                     |            | on Channel        | Ceiling Drywall     | Floor Covering   |          |              |
| <b>8" Concrete</b> (203 mm)  | 1/2" (12 mm) Level-Right<br>WearTop | No         | No                | No                  | None             | 55 F-IIC | F07-656      |
| <b>8" Hollowcore Precast</b> | 3/4" (19 mm) Maxxon                 | No         | No                | n/a                 | Vinyl Plank      | 54 F-IIC | TBA          |
| No ceiling, with Maxxon      | 3/4" (19 mm) Maxxon                 | No         | No                | n/a                 | DuraCeramic Tile | 56 F-IIC | TBA          |
| Underlayment                 | 3/4" (19 mm) Maxxon                 | No         | No                | n/a                 | Wood             | 56 F-IIC | TBA          |
| No Acousti-Mat LPR (control) | 3/4" (19 mm) Maxxon                 | No         | No                | n/a                 | None             | 19 F-IIC | TBA          |
| <b>12" TJI® Joist</b>        | 3/4" (19 mm) Maxxon                 | Batt       | Yes               | yers 5/8" (2 x 16 r | None             | 57 A-STC | 35-09-3      |
| w/ 3/4" (19 mm) plywood      | 3/4" (19 mm) Maxxon                 | Batt       | Yes               | yers 5/8" (2 x 16 r | Ceramic Tile     | 49 F-IIC | 35-09-1a     |
| subfloor                     | 3/4" (19 mm) Maxxon                 | Batt       | Yes               | yers 5/8" (2 x 16 r | Vinyl            | 47 F-IIC | 35-09-1c     |
| <b>Parallel Chord Truss</b>  | 3/4" (19 mm) Maxxon                 | Batt       | Yes               | 5/8" (16 mm)        | Vinyl Plank      | 59 F-IIC | 02462-1      |
| 2" x 4" (50 mm x 102 mm) w/  | 3/4" (19 mm) Maxxon                 | Batt       | Yes               | 5/8" (16 mm)        | Ceramic Tile     | 57 F-IIC | 02462-2      |
| 3/4" (19 mm) OSB Subfloor    | 3/4" (19 mm) Maxxon                 | Batt       | Yes               | 5/8" (16 mm)        | Vinyl            | 54 F-IIC | 02462-3      |
|                              | 3/4" (19 mm) Maxxon                 | Batt       | Yes               | 5/8" (16 mm)        | Laminate Wood    | 58 F-IIC | 02462-5      |
|                              | 3/4" (19 mm) Maxxon                 | Batt       | Yes               | 5/8" (16 mm)        | None             | 56 F-STC | 02462-9      |
| No Acousti-Mat LPR (control) | 3/4" (19 mm) Maxxon                 | Batt       | Yes               | 5/8" (16 mm)        | Ceramic Tile     | 47 F-IIC | 02462-6      |
|                              | 3/4" (19 mm) Maxxon                 | Batt       | Yes               | 5/8" (16 mm)        | Vinyl            | 47 F-IIC | 02462-7      |

### Laboratory Sound Test: Delta IIC 19 per ASTM E 2179-03

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 LPR 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.