

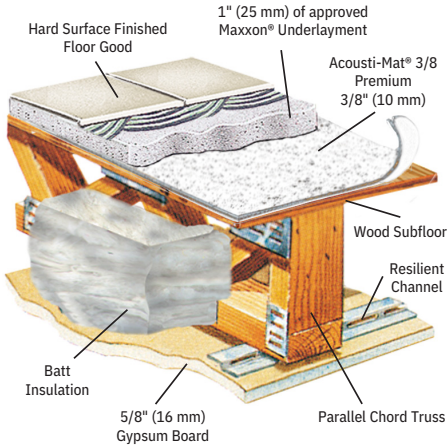
# MAXXON®

## Acousti-Mat®

### 3/8 Premium



Products for approved Maxxon applicators



## TECHNICAL DATA SHEET

SEPTEMBER 2021

### PRODUCT DESCRIPTION

Maxxon® Acousti-Mat® 3/8 Premium sound mat features an added layer of high-performance acoustical fabric, making it ideal for high-end apartments, condos and townhomes that seek maximum sound attenuation. Maxxon Acousti-Mat 3/8 Premium increases the IIC levels of the floor/ceiling assembly by up to 17 points over standard wood frame construction.

### WHERE TO USE

#### Application

Multifamily, light commercial, low-rise hotels/motels.

#### Subfloor

Interior wood, concrete, steel deck, mass timber.

### FEATURES & BENEFITS

- Enhanced multifamily standard of sound control with additional sound control layer
- 3/8" (10 mm) profile, with minimum 1" (25 mm) topping for total system height of 1 3/8" (35 mm)
- More than 140 UL & ULC Fire Resistance-Rated Designs
- Up to 17 points increased IIC ratings in wood frame construction
- One-system warranty on sound mat and underlayment
- GREENGUARD® Gold Certified

### PRODUCT INFORMATION

|   |  |
|---|--|
| Thickness   | 3/8" (10 mm)                               |
| Color   | Clear with water-resistant white fabric    |
| Underlayment Depth  | Minimum 1" (25 mm)                         |
| Underlayment Depth with Maxxon® Reinforcement or Maxxon® Fibers | Minimum 3/4" (19 mm)                       |
| Roll Width  | 60" (152.4 cm)                             |
| Roll Length   | 72' (21.9 m)                               |
| Coverage per Roll   | 360 ft <sup>2</sup> (33.4 m <sup>2</sup> ) |
| Weight per Roll   | 65 lbs. (29.5 kg)                          |



**BENEATH IT ALL, MAXXON DELIVERS.™**

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#### ENVIRONMENTAL IMPACT

| Sample USGBC LEED® Credit Areas* |        |                               |
|----------------------------------|--------|-------------------------------|
| Project                          | Credit | Category                      |
| Environmental Quality            | EQ 2   | Low Emitting Materials        |
|                                  | EQ 4   | Indoor Air Quality Assessment |
|                                  | EQ 9   | Acoustic Performance          |

\* Credits may vary depending on project type and Maxxon products used.

Maxxon Acousti-Mat 3/8 Premium is GREENGUARD Gold Certified. For additional information on Maxxon Acousti-Mat 3/8 Premium environmental credits and certifications visit [Maxxon.com/go\\_green](http://Maxxon.com/go_green).

#### CODE LISTINGS

- ICC ESR 2540
- UL ER 8477-01
- HUD1286e

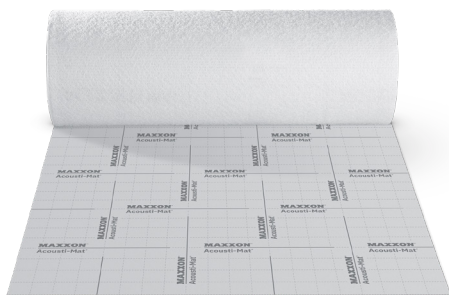
#### UL FIRE RESISTANCE-RATED DESIGNS

##### UL Design

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| D938 | J919 | L212 | L517 | L536 | L562 | L589 | M517 |
| G230 | J920 | L501 | L518 | L537 | L563 | L590 | M518 |
| G516 | J924 | L502 | L519 | L538 | L564 | L592 | M519 |
| G524 | J927 | L503 | L520 | L539 | L565 | L593 | M530 |
| G551 | J931 | L504 | L522 | L540 | L567 | L901 | M531 |
| G553 | J957 | L505 | L523 | L541 | L569 | M500 | M533 |
| G560 | J958 | L506 | L524 | L542 | L570 | M502 | M534 |
| G561 | J991 | L507 | L525 | L543 | L573 | M503 | M535 |
| G563 | J994 | L508 | L526 | L545 | L574 | M504 | M536 |
| G566 | L006 | L509 | L527 | L546 | L576 | M505 | M538 |
| G574 | L201 | L510 | L528 | L547 | L577 | M506 | M544 |
| G587 | L202 | L511 | L529 | L549 | L579 | M508 | M545 |
| G592 | L206 | L512 | L530 | L551 | L581 | M510 | M546 |
| G597 | L208 | L513 | L532 | L556 | L583 | M511 | M550 |
| H502 | L209 | L514 | L533 | L557 | L585 | M513 | M553 |
| H511 | L210 | L515 | L534 | L558 | L587 | M514 |      |
| J917 | L211 | L516 | L535 | L560 | L588 | M515 |      |

##### ULC Design

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| I530 | L003 | L511 | M500 | M503 | M520 |
| I533 | L201 | L512 | M501 | M514 | M521 |



For more information on current UL and ULC Designs, contact Maxxon Corporation.

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SEPTEMBER 2021

### SOUND TESTS

For more detailed information, please refer to Maxxon<sup>®</sup> Fire & Sound Manual at Maxxon.com.

| Floor System   | Min. Topping      | Insulation | Resilient Channel | Ceiling Drywall        | Floor Covering  | Rating | Test Numbers |
|--|-------------------|------------|-------------------|------------------------|-----------------|--------|--------------|
| <b>PARALLEL CHORD TRUSS</b><br>18" (457 mm) w/ 3/4" (19 mm) OSB subfloor | 1" (25mm) Maxxon* | Yes        | Yes               | 5/8" (16mm)            | LVT             | IIC 50 | I0107.27     |
|  |                   |            |                   |                        | Ceramic Tile    | IIC 58 | I0107.32     |
|  |                   |            |                   |                        | Engineered Wood | IIC 58 | I1017.29     |
|  |                   |            |                   |                        | Carpet and Pad  | IIC 79 | I0107.30     |
| <b>TJI-JOIST</b><br>12" (300 mm) w/ 3/4" (19 mm) OSB subfloor            | 1" (25mm) Maxxon* | Yes        | Yes               | 2 layers 5/8" (2x16mm) | Sheet Vinyl     | STC 61 | I0110.28     |
|  |                   |            |                   |                        |                 | IIC 59 |              |
|  |                   |            |                   |                        | LVT             | IIC 57 | I0110.26     |
|  |                   |            |                   |                        | Ceramic Tile    | IIC 60 | I0110.32     |
|  |                   |            |                   |                        | Engineered Wood | IIC 59 | I0110.29     |
| Carpet and Pad   | IIC 84            | I0110.30   |                   |                        |                 |        |              |

\* Approved Maxxon Underlayment <sup>†</sup>Where weight and/or floor height is a concern, a 3/4" Maxxon approved underlayment with Maxxon Reinforcement can be used.

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SEPTEMBER 2021

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### SOUND TESTS *Continued*

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#### SOUND TEST INFORMATION

International Building Code (IBC) requires a minimum 50 STC/IIC (45 ASTC/AIIC) in multifamily construction. Maxxon underlayments and Acousti-Mat products are single components of a sound control system. Care must be taken in the selection and installation of all components of construction to ensure the designed acoustical performance.

All acoustical testing was done by Architectural Testing; Riverbank Testing Laboratories; Intest, Inc.; Intertek; Twin City Testing Corporation; Maxxon R & D Test Center; D.L. Adams Associates, L.T.D.; Veneklasen Associates; NGC Testing Services; AV Group or JGL Acoustics. For specific sound test information, contact Maxxon for test reports.

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#### INSTALLATION

Building interior and floor should be maintained above 50° F (10° C) for at least 24 hours prior to sound mat installation and until underlayment topping has set. Plumbing or electrical penetrations should be packed with insulation and sealed.

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##### ***Wood Subfloor Preparation***

Wood subfloors must be structurally sound and clean and free of dust and contaminants. Back-blocking is required for all non-tongue-and-groove OSB and plywood subfloors.

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##### ***Concrete Subfloor Preparation***

Concrete subfloors must be structurally sound, fully cured, moisture free and have no efflorescence. All concrete subfloors should be tested for moisture prior to installing Maxxon Acousti-Mat 3/8 Premium sound mat (see Limitation 5).

The substrate surface must be clean and free of dust and contaminants. If cracks are present prior to installing Maxxon Acousti-Mat 3/8 Premium sound mat, contact a structural engineer to determine the appropriate remediation. Follow Radiant Panel Association (RPA) recommendations at [radiantprofessionalsalliance.org](http://radiantprofessionalsalliance.org) and turn off radiant heating systems 24 hours prior to and after topping with a Maxxon underlayment.

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##### ***Tools Needed***

- Scissors or box knife
- Maxxon® Acousti-Mat® Logo or Perm Tape
- Maxxon® Acousti-Mat® Perimeter Isolation Strip
- Maxxon® Primer

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SEPTEMBER 2021

### INSTALLATION *Continued*

#### **Application**

1. Maxxon Acousti-Mat 3/8 Premium is loose laid over the entire concrete or wood subfloor. Take care to avoid wrinkles. Do not use adhesives of any kind to apply Maxxon Acousti-Mat 3/8 Premium to the subfloor. Fasteners such as, but not limited to, screws, nails or staples used to attach Maxxon Acousti-Mat 3/8 Premium to wood subfloors can negatively affect sound performance. Provide adequate openings in sound mat for all protrusions.
2. Sound mat sections are attached to each other using the built-in zip-strips or may be taped with Maxxon Acousti-Mat Logo or Perm Tape.
3. Maxxon Acousti-Mat Perimeter Isolation Strips are installed, then taped, around the perimeter of the entire room, to eliminate flanking paths. Isolation strips are also installed, then taped, around any vertical penetration through the floor. Maxxon Acousti-Mat Perimeter Isolation Strips can also be installed before Maxxon Acousti-Mat 3/8 Premium. Either method is acceptable. See Maxxon® Acousti-Mat® Perimeter Isolation Strip TDS at Maxxon.com for further instructions. For doorways, smooth transitions between areas with and without at sound mat, continuing the sound mat 12" into the hard surface area. For large transition areas, a pour stop and isolation strip are needed. See the specific transition type detail drawing at the Maxxon Dealer secure site or contact Maxxon Corporation. Spray Maxxon primer onto the surface of the mat.
4. Maxxon Acousti-Mat is covered with a Maxxon underlayment at 1" (25 mm) minimum (or 3/4" (19 mm) if using Maxxon Reinforcement or Maxxon Fibers). See the specific TDS at Maxxon.com for more information. Spread the underlayment with a gauge rake to assist in achieving the desired depth.
5. Refer to the specific Maxxon underlayment TDS at Maxxon.com for dry time information and floor covering considerations.



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## TECHNICAL DATA SHEET

SEPTEMBER 2021

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### LIMITATIONS

For questions regarding these limitations or for applications other than those described herein, contact Maxxon Corporation at (800) 356-7887.

1. Fasteners, such as, but not limited to screws, nails or staples, used to attach Maxxon Acousti-Mat 3/8 Premium to wood subfloors can negatively affect sound performance.
2. Do not use adhesives of any kind.
3. Do not use where Maxxon Acousti-Mat 3/8 Premium will come in prolonged contact with water or water vapor unless special ordered for exterior applications. Contact Maxxon for more information.
4. It is the responsibility of the general contractor to complete moisture testing before sound mat and underlayment is installed. If testing is necessary, use the methods specified by the flooring manufacturer, typically ASTM F710. If the MVER exceeds 5 lbs. (2.3 kg)/1,000 sq. ft. (92.9 m<sup>2</sup>)/24 hours or an RH greater than 80%, treat the concrete subfloor with Maxxon® Ccommercial MVP One Primer, or Maxxon® Commercial MVP Two-Part Epoxy. If the flooring manufacturer specifies more stringent moisture limitations or practices, they must be followed. Contact Maxxon Corporation for further information.
5. Maxxon sound mats and underlayments are non-structural and therefore cannot be expected to reinforce structurally deficient subfloors. The structural floor should be adequate to withstand design loads with deflection limitations of L/360. Some floor coverings may require more restrictive deflection limits. Determining the appropriate structural design of the floor is not the responsibility of Maxxon nor the Maxxon applicator.

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### STORAGE AND DISPOSAL

Keep in a dry, cool place. Maxxon Acousti-Mat 3/8 Premium is not considered hazardous per US-GHS requirements and may be disposed of with day-to-day construction materials.

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### SAFETY

Follow local and state regulations and use appropriate safety precautions and measures when installing Maxxon products. See related product literature at Maxxon.com or contact Maxxon Corporation for more information prior to installation.

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## TECHNICAL DATA SHEET

SEPTEMBER 2021

### WARRANTY AND TECH SERVICES

See Maxxon.com for complete warranty information. Technical performance verification and service is available through Maxxon Corporation or Maxxon Regional Representatives throughout North America.



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[maxxon.com](http://maxxon.com)  
[info@maxxon.com](mailto:info@maxxon.com)

 @Maxxon.Corporation  
 maxxon-corporation

**JOB NAME:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**APPLICATOR:** \_\_\_\_\_

Maxxon Corporation assumes no responsibility or liability for any errors or omissions in the content of this document. The information contained is subject to change without notice. Follow local and state regulations and use appropriate safety precautions and measures when installing Maxxon products. See related product literature at Maxxon.com or contact Maxxon Corporation for more information prior to installation.

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