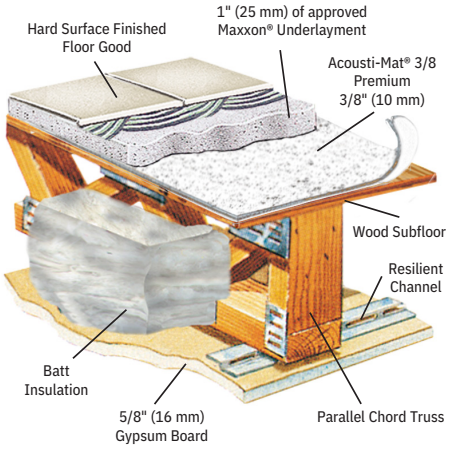
MAXXON®
Acousti-Mat® 3/8 Premium

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 1⅜" (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^2 (33.4 m^2)
Weight per Roll	65 lbs. (29.5 kg)



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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.

CODE LISTINGS

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

UL FIRE RESISTANCE-RATED DESIGNS

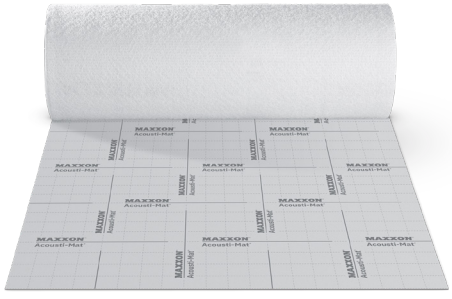
UL Design

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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SOUND TESTS

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

Floor System	Min. Topping†	Insulation	Resilient Channel	Ceiling Drywall	Floor Covering	Rating	Test Numbers
PARALLEL CHORD TRUSS 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
TJI-JOIST 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 †Where weight and/or floor height is a concern, a 3/4" Maxxon approved underlayment with Maxxon Reinforcement can be used.

SOUND TESTS *Continued*

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.

INSTALLATION

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

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.

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 and turn off radiant heating systems 24 hours prior to and after topping with a Maxxon underlayment.

Tools Needed

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

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.

1



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3



4



5



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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^2)/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.

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.

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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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.

MADE IN USA

Maxxon Corporation
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800-356-7887
maxxon.com

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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