

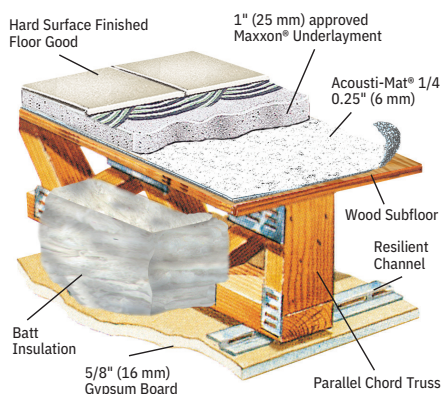
MAXXON®

Acousti-Mat®

1/4



Products for
approved Maxxon
applicators



TECHNICAL DATA SHEET

JUNE 2025

PRODUCT DESCRIPTION

Maxxon® Acousti-Mat® 1/4 increases IIC and STC ratings over interior wood frame and concrete construction with a 1" (25 mm) Maxxon® underlayment topping required. Its core of fused entangled mesh filaments, attached to a water resistant, non-woven fabric, creates a void area between the subfloor and Maxxon underlayment that helps insulate both airborne and impact-based sound.

WHERE TO USE

Application

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

Subfloor

Interior wood, concrete, steel deck.

FEATURES & BENEFITS

- Multifamily original sound control
- 1/4" (6 mm) profile, minimum 1" (25 mm) topping for total system height of 1 1/4" (32 mm)
- More than 140 UL & ULC Fire Resistance-Rated Designs
- Up to 10 points increased IIC ratings in wood frame construction; up to 20 points increased in concrete construction
- One system warranty on sound mat and underlayment
- GREENGUARD® Gold Certified

PRODUCT INFORMATION

Thickness	1/4" (6 mm)
Color	Clear with water-resistant white fabric
Underlayment Depth	Minimum 1" (25 mm)
Roll Specifications	<p>39" Wide Roll - Width: 39" (99.06 cm) Length: 125' (38.1 m) Coverage: 400 ft² (37.2 m²) Weight: 43 lbs (19.5 kg)</p> <p>60" Wide Roll - Width: 60" (152.4 cm) Length: 120' (36.6 m) Coverage: 600 ft² (55.7 m²) Weight: 64 lbs (29.0 kg)</p>

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 1/4 is GREENGUARD Gold Certified. For additional information on Maxxon Acousti-Mat 1/4 environmental credits and certifications visit Maxxon.com/go_green.

CODE LISTINGS

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

UL FIRE RESISTANCE-RATED DESIGNS

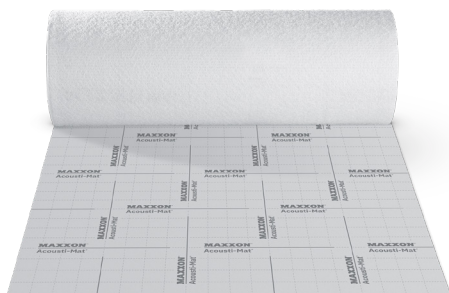
UL Design

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" (25 mm) Maxxon*	Yes	Yes	5/8" (16 mm)	Sheet Vinyl	STC 59 IIC 54	I0106.20
					LVT	IIC 53	I0106.18
					Ceramic Tile	IIC 55	I0106.24
					Engineered Wood	IIC 55	I0106.21
					Carpet and Pad	IIC 71	I0106.22
TJI® JOIST 12" (300 mm) w/ 3/4" (19 mm) OSB subfloor	1" (25 mm) Maxxon*	Yes	Yes	2 layers 5/8" (2x16 mm)	Sheet Vinyl	STC 58 IIC 55	I0109.20
					LVT	IIC 54	I0109.18
					Ceramic Tile	IIC 56	I0109.24
					Engineered Wood	IIC 56	I0109.21
					Carpet and Pad	IIC 81	I0109.22
2x10 WOOD JOIST w/ 3/4" (19 mm) OSB subfloor	1" (25 mm) Maxxon*	Yes	Yes	5/8" (16 mm)	Sheet Vinyl	STC 57 IIC 51	I0112.20
					LVT	IIC 51	I0112.19
					Ceramic Tile	IIC 52	I0112.24
					Engineered Wood	IIC 51	I0112.21
					Carpet and Pad	IIC 73	I0112.22
CAST-IN-PLACE CONCRETE 8" (203 mm)	1" (25 mm) Maxxon*	No	No	No	Armstrong Vinyl	ASTC 62	18-0-607.2
					Ceramic Tile	AIIC 64	18-0-607.5
					Bruce Engineered	AIIC 61	18-0-607.6
					Carpet and Pad	AIIC 60	18-0-607.7
HOLLOWCORE PRECAST CONCRETE 8" (203 mm)	1" (25 mm) Maxxon*	No	No	No	None	ASTC 61	B5011.04
					Vinyl Plank	AIIC 57	
					Tile	AIIC 59	

* 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 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.

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 1/4 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 1/4 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.

Steel Deck Preparation

Steel deck must be structurally sound, clean and free of dust and contaminants. Steel decks must conform to the Steel Deck Institute requirements meeting an L/360 design deflection limitation with a minimum 22-gauge steel requirement.

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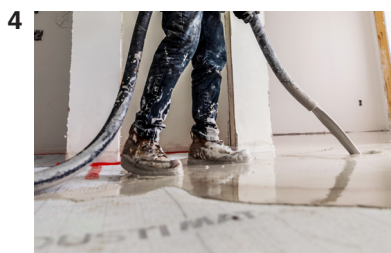
INSTALLATION *Continued*

Tools Needed

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

Application

1. Maxxon Acousti-Mat 1/4 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 1/4 to the subfloor. Fasteners such as, but not limited to, screws, nails or staples used to attach Maxxon Acousti-Mat 1/4 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. To eliminate flanking paths, Maxxon Acousti-Mat Perimeter Isolation Strips are installed and taped around the perimeter of the entire room and around any penetrations through the sound mat. Maxxon Acousti-Mat Perimeter Isolation Strips can be installed before or after Acousti-Mat 1/4 as long as a seal is created using tape between the sound mat and perimeter strip. See Maxxon® Acousti-Mat® Perimeter Isolation Strip TDS at Maxxon.com for further instructions. At transitions between areas with sound mat and without sound mat, a pour stop and isolation strip are recommended. At doorways less than 3' wide, a smooth transition can also be created by continuing the sound mat 12" into the area not intended to receive sound mat. For large transition areas, only the method using a pour stop and isolation strip will provide adequate protection against flanking. For relevant detail drawings, contact Maxxon Corporation.
4. Maxxon Acousti-Mat is covered with a Maxxon underlayment at 1" (25 mm) minimum. 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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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 1/4 to wood subfloors can negatively affect sound performance.
2. Do not use adhesives of any kind.
3. Do not use where Maxxon Acousti-Mat 1/4 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 m²)/24 hours or an RH greater than 80%, treat the concrete subfloor with Maxxon® Commercial 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 1/4 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.



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@Maxxon.Corporation
 maxxon-corporation

JOB NAME: _____

DATE: _____

APPLICATOR: _____

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