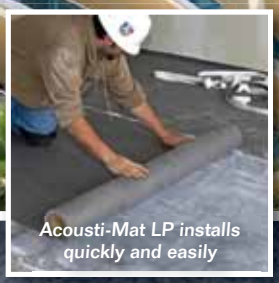
From Maxxon® — The Leaders in Floor/Ceiling Sound Control Systems

ACOUSTI-MAT® LP
THE THINNER, FASTER WAY TO QUIETER FLOORS


Acousti-Mat LP installs quickly and easily


Wood floor glued direct to Acousti-Mat LP


Tile thin-set direct to Acousti-Mat LP

With fast, easy installation for every construction challenge, Acousti-Mat® LP offers ultimate flexibility, value and proven results.

Today's popular floor coverings such as tile and hardwood floors often present sound control challenges. Acousti-Mat LP or LPR (LP with Reinforcement) provides quality sound control with easy installation. With proven sound test results, Acousti-Mat LP or LPR can help achieve higher IIC ratings in your projects.

Acousti-Mat LP or LPR can be installed directly on the concrete or wood subfloor, or on top of a Maxxon® Underlayment in concrete, wood or steel frame construction for additional sound control or where floor flatness is a concern. Floor goods such as floating wood, glue-down wood, or tile can be installed directly on top of the Acousti-Mat LP or LPR.

To achieve the popular "loft look" without sacrificing sound control, look to Level-Right® WearTop® as a topping over Acousti-Mat LPR for the answer. Acousti-Mat LPR's entangled mesh offers the reinforcement necessary for high-strength WearTop or other self-leveling underlayments.

- The low profile solution for mixed use, single family, multifamily, mid-rise and high-rise construction or renovation
- Effective sound control in concrete, wood and steel frame construction
- Flexible installation — directly under floor goods, or covered with a Maxxon® Underlayment for permanent sound control when floor goods are removed or changed
- Proven sound test results
- Achieves a Delta IIC of 19 — an approximate 75% reduction in impact noise on concrete floor systems

ACOUSTI-MAT® LP
Low Profile

ACOUSTI-MAT® LP AND ACOUSTI-MAT® LPR

TECHNICAL DATA

Acousti-Mat® LP

Acousti-Mat® LPR

Description	ACOUSTI-MAT® LP	ACOUSTI-MAT® LPR
Material composition:	Blend of polymeric fibers	Nylon reinforcement on blend of polymeric fibers Nylon contains 40% pre-consumer recycled content
Thickness, nominal:	<1/16" (45 mils)	5/32" (3.97 mm)
Basis Weight:	175 g/m^2 (0.036 lbs/ft^2)	526 g/m^2 (0.11 lbs/ft^2)
Color:	Dark gray	Dark gray with black nylon
Mullen Burst:	>200 psi	>200 psi
Air Permeability	150 cam	150 cam
MD Tensile:	30 lb/in	30 lb/in *(as tested without nylon reinforcement)*
CD Tensile:	30 lb/in	30 lb/in *(as tested without nylon reinforcement)*
Floor Goods	See application charts for additional information	
Underlayment Depth	Gypsum – ½" (12.7 mm) in concrete construction	Level-Right® Self-Leveling Underlayment and WearTop® – ⅜" (9.5 mm) Gypsum – ¾" (19 mm) in wood frame construction
Thermal Resistance		
Mat Only	R-Value: 0.17	
With 1/2" Maxxon Underlayment	R-Value: 0.096	

CONCRETE CONSTRUCTION

ACOUSTI-MAT LP & LPR APPLICATIONS

	Acousti-Mat LP	Acousti-Mat LPR
Engineered/laminate wood floors floating or glued; applied direct to mat	■	
Tile thinset direct to mat[1]	■	■
Topped with mortar bed for tile applications		■
Topped with Maxxon Gypsum Underlayment[2]	■	■
Topped with Self-Leveling Underlayment[3]		■
Vinyl attached to Self-Leveling Underlayment		■
Topped with Level-Right WearTop[4]		■

[1] Contact Maxxon for anti-fracture properties

[2] Minimum Gypsum Underlayment depths: Acousti-Mat LP – ½", Acousti-Mat LPR – ⅜"

[3] Minimum Self-Leveling Underlayment depth: ⅜"

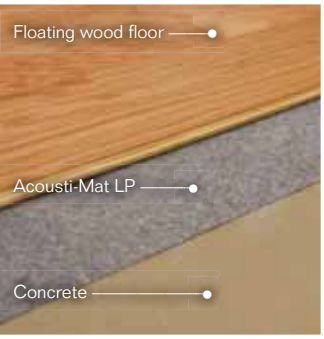
[4] Minimum Level-Right WearTop depth: ⅜"

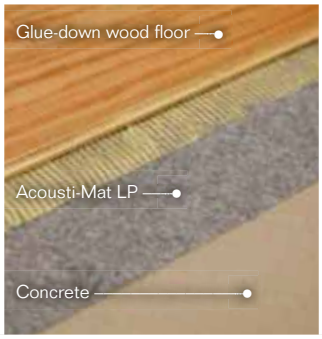
SOUND TEST RESULTS

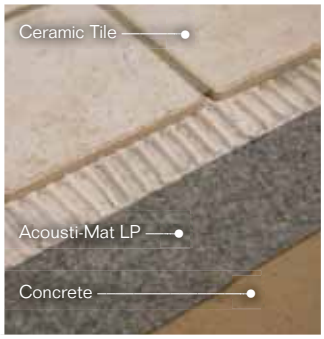
Topping	Insulation	Resilient Channel	Ceiling Drywall	Floor Coverings	Rating	Test Number
8" Concrete, Acousti-Mat LP						
Thinset with Tile	No	No	No	Ceramic Tile**	F-IIC 52	1071202-3
Laminate Wood	No	No	No	Laminate Wood**	F-IIC 57	1071202-2
Bare Concrete – No Sound Mat	No	No	No	None	F-IIC 35	1071202-1
8" Concrete, Acousti-Mat LP & Acousti-Mat LPR						
½" (12.7mm) Level-Right WearTop on Acousti-Mat LPR	No	No	No	None	F-IIC 55	F07-656
Laminate Wood Floor on Acousti-Mat LP	No	No	No	Laminate Wood**	F-IIC 63	F07-660
Bare Concrete – No Sound Mat	No	No	No	None	F-IIC 34 A-STC 61	F07-568 F07-567
8" Concrete, (with ceiling) Acousti-Mat LP						
½" (12.7mm) Maxxon*	No	Yes – 2" Z-Channel	5/8" (16mm)	None	F-IIC 57	0677973
½" (12.7mm) Maxxon*	No	Yes – 2" Z-Channel	5/8" (16mm)	Wood	F-IIC 60	0677973
Bare Concrete – No Sound Mat	No	Yes – 2" Z-Channel	5/8" (16mm)	None	F-IIC 42, A-STC 62	0677973
Delta IIC Test on 6" Concrete per ASTM E2179, Acousti-Mat LP						
Thinset with Tile	No	No	No	Quarry Tile**	STC 54	NGC 5006017
Thinset with Tile	No	No	No	Quarry Tile**	Delta IIC 19	NGC 7006023

* Approved Maxxon Underlayment ** Floor good installed directly to the surface of Acousti-Mat LP or Acousti-Mat LPR

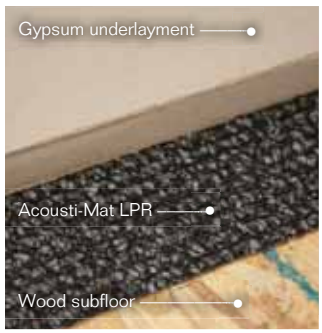
CONCRETE CONSTRUCTION

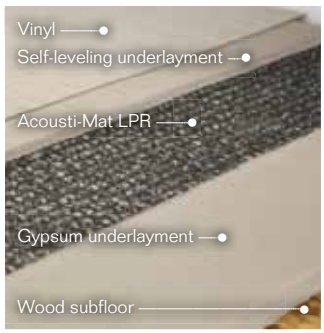






WOOD FRAME OR STEEL CONSTRUCTION





WOOD OR STEEL FRAME CONSTRUCTION

ACOUSTI-MAT LP & LPR APPLICATIONS

(All installations over Maxxon Underlayment)	Acousti-Mat LP	Acousti-Mat LPR
Engineered/laminate wood floors floating or glued; applied direct to mat	■	
Tile thinset direct to mat[1]	■	■
Topped with mortar bed for tile applications		■
Topped with Maxxon Gypsum Underlayment[2]		■
Vinyl attached to Self-Leveling Underlayment		■
Topped with Level-Right WearTop[3]		■

[1] Contact Maxxon for anti-fracture properties [2] Minimum Gypsum Underlayment depth: ¾" [3] Minimum Level-Right WearTop depth: ⅜"

SOUND TEST RESULTS

Topping	Insulation	Resilient Channel	Ceiling Drywall	Floor Coverings	Rating	Test Number
Steel Frame with 9/16" corrugated, 9¼" Steel Joints, Acousti-Mat LPR						
1 9/16" (39.7mm) Maxxon*	Yes	Yes	⅝" (16mm)	Ceramic Tile**	IIC 51	NGC 7008010
1 9/16" (39.7mm) Maxxon*	Yes	Yes	⅝" (16mm)	Ceramic Tile**	STC 57	NGC 7008019
Wood Frame with ¾" subfloor, 18" deep parallel chord trusses, Acousti-Mat LP						
¾" (19mm) Maxxon*	Yes	Yes	⅝" (16mm)	Ceramic Tile**	IIC 50	NGC 7007131
¾" (19mm) Maxxon*	Yes	Yes	⅝" (16mm)	Laminate Wood**	IIC 53	NGC 7007132
¾" (19mm) Maxxon*	Yes	Yes	⅝" (16mm)	Ceramic Tile**	STC 56	NGC 5007071
Wood Frame with 3/4" subfloor, 18" deep parallel chord trusses, Acousti-Mat LP						
1¼" (32mm) Maxxon*	Yes	Yes	⅝" (16mm)	DuraCeramic Tile**	F-IIC 51	90744-15
1¼" (32mm) Maxxon*	Yes	Yes	⅝" (16mm)	Laminate Wood**	F-IIC 51	90744-17
1¼" (32mm) Maxxon*	Yes	Yes	⅝" (16mm)	None	A-STC 53	90744-18

*Approved Maxxon Underlayment ** Floor good installed directly to the surface of Acousti-Mat LP or Acousti-Mat LPR

ACOUSTI-MAT® LP INSTALLATION

step 1

If Acousti-Mat® LP is installed over a Maxxon® Underlayment, the underlayment must be sealed prior to adhesive application using Maxxon Overspray or Maxxon Acrylic. *See Maxxon Procedures Guide for additional details.*

step 2

Acousti-Mat LP adhesive is rolled out over clean and contaminant free subfloor or underlayment. Over rough concrete surfaces, a slurry of Maxxon Underlayment should be utilized, or the concrete can be skim coated prior to adhesive application.

step 3

Acousti-Mat LP or LPR is then placed into wet adhesive or slurry. Seams should be butt jointed or overlapped, depending upon the topping application.

step 4

Once adhesive sets, back roll Acousti-Mat LP or LPR to ensure that 100% surface contact is achieved with adhesive or slurry application.

step 5

Isolation strips are installed around all walls, columns, and floor penetrations to eliminate flanking paths. Acousti-Mat LP Isolation Strips can also be utilized to cover any exposed subfloor or underlayment between seams in the Acousti-Mat LP or LPR.

step 6 option 1

Engineered/laminate wood floors, tile or mortar bed are applied directly to Acousti-Mat LP or LPR. *See application charts on pages 2 and 3.*

step 6 option 2

Acousti-Mat LP or LPR is topped with an approved Maxxon Underlayment. For uniform depth and a smooth surface, installers use a screed to finish the underlayment surface. In as little as two hours after the underlayment has been poured, the floor is hard enough to accommodate foot traffic.

Product Support

Additional product literature, CSI formatted specifications and information are available at www.MaxxonCorporation.com

Warranty

Maxxon Corporation warrants Acousti-Mat® LP and LPR to be free from manufacturing defects as defined in this warranty. Manufacturing defects are considered to be those defects that occur due to the quality of the ingredients or from the manufacturing process itself. This warranty does not include labor costs and other costs or expenses associated with the removal or installation of Acousti-Mat® LP and LPR. Because the Maxxon Corporation does not perform the actual installation, it can not be held responsible for the results of the application. Maxxon Corporation specifically disclaims problems that occur due to weather conditions, moisture, structural design flaws and application techniques. This warranty is in lieu of all other warranties expressed or implied including the warranty of merchantability and fitness of purpose and of all other obligations or liabilities on Maxxon Corporation's part. Maxxon Corporation neither assumes nor authorizes any person to assume for Maxxon Corporation any liability in connection with the sale and installation of Acousti-Mat® LP and LPR.

Sound Test Information

F-IIC (Field Impact Insulation Class) sound tests were performed in accordance with ASTM E 1007 and E 989. 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 LP and 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 all components of construction to assure the ultimate designed acoustical performance.

To learn more or for a price quote call 800-598-9584
E-mail: LPinfo@maxxon.com
www.AMlowprofile.com

ACOUSTI-MAT® LP
Low Profile

The Maxxon Green Mark
Maxxon products with this symbol are LEED-compliant and help to contribute valuable points toward LEED-certified projects.

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