another superior product from MAXXON CORPORATION

Represented by: Acoustical® SOLUTIONS

THE MULTIFAMILY STANDARD OF SOUND CONTROL

ACOUSTI-MAT® 3/8

THE NEW ACOUSTICAL STANDARD FOR MULTIFAMILY LIVING

Ideal for luxury developments, Acousti-Mat® 3/8 creates sound-rated floors that achieve the higher IIC and STC levels established by the International Code Council for 'recommended' or 'preferred' noise reduction. A durable and proven solution, it is the only mat that has been tested after 10 years of use. Acousti-Mat 3/8 retained 97% of its original thickness, was as pliable as a new roll, and performed equally to a newly manufactured roll. It increases IIC levels up to 13 points over wood frame, and up to 20 points over concrete. When installed with a Maxxon Underlayment, it also increases the STC rating 6–15 points over a bare wood frame system. Acousti-Mat 3/8 meets the stringent VOC emissions criteria of GREENGUARD and GREENGUARD Gold Certification.

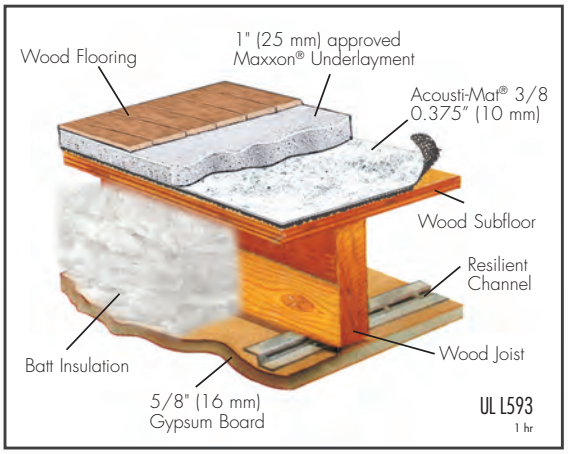
ACOUSTI MAT 3/8

TECHNICAL DATA

Description ..... Entangled polymeric filament mat
Thickness ..... 0.375" (10 mm)
Composite Weight ..... ≈21.54 oz/y²
Thermal Resistance R-Value (ft²•°F•h/BTU)
- Mat Only 0.780
- 1" Maxxon Underlayment 0.193
- Mat/Underlayment System 0.973

Underlayment Depth ..... 1" (25 mm)
Fire Performance ASTM E-84
(with approved Maxxon Underlayment)
- Fuel Contribution 0
- Smoke Contribution 0
- Flame Spread 0

Pressure/Deflection
- 500 psf (2,441 kg/m²) ..... 0.067" (1.70 kg/m³)
- 1000 psf (4,882 kg/m²) ..... 0.116" (2.95 kg/m³)
- 2000 psf (9,765 kg/m²) ..... 0.172" (4.37 kg/m³)



FIRE/SOUND RATINGS

Evaluation Reports - Meeting fire and sound code together

Accepted by local building officials for fire and sound code compliance, Evaluation Reports are tecfical reports which verify that specific products meet the following code requirements and warrant regulatory approval. Minimum code requirements: **Sound** - 50 STC/IIC, **Fire** - 1 Hour

International Code Council

ICC ESR #2540 *For the following assembly types:*
- Parallel Chord Truss
- I-Joist
- Precast Concrete
- 2x10 Wood Truss
- Steel Joist

Additional ICC ES Reports: ESR #1141, ESR #1153, ESR #1774

Underwriters Laboratory International

UL ER #8477-01 *For the following assembly types:*
- Parallel Chord Truss
- I-Joist
- Steel Joist
- 2x10 Wood Truss
- Hambro
- Precast Concrete

FIRE RATINGS

UL Design

G230	L201	L517	L543	L588
G516	L202	L518	L545	L589
G524	L206	L519	L546	L590
G551	L208	L520	L547	L592
G553	L209	L522	L549	L593
G560	L210	L523	L551	M500
G561	L211	L524	L552	M502
G563	L212	L525	L556	M503
G566	L501	L526	L557	M504
G574	L502	L527	L558	M505
G587	L503	L528	L560	M506
G592	L504	L529	L562	M508
G597	L505	L530	L563	M510
J917	L506	L532	L564	M511
J919	L507	L533	L565	M513
J920	L508	L534	L569	M514
J924	L509	L535	L570	M515
J927	L510	L536	L574	M517
J931	L511	L537	L576	M518
J957	L512	L538	L577	M519
J958	L513	L539	L579	M530
J991	L514	L540	L581	M531
J994	L515	L541	L583	M534
L006	L516	L542	L585	M536

ULC Design

L530 M520 M521

SOUND TESTS

Floor System	Topping	Insulation	Resilient Channel	Ceiling Drywall	Floor Covering	Rating	Test Numbers
2x10 WOOD JOIST *w/ 5/8" (16 mm) plywood subfloor*	1" min. (25 mm) Maxxon*	Yes	Yes	5/8" (16 mm)	Ceramic Tile	57 IIC	IN88-2
	1" min. (25 mm) Maxxon*	Yes	Yes	5/8" (16 mm)	Ceramic Tile	59 IIC	TL 88-110
PARALLEL CHORD TRUSS *16" deep, 24" oc plywood subfloor*	1" min. (25 mm) Maxxon*	Yes	Yes	5/8" (16 mm)	Tile	54 F-IIC	F13-131
	1" min. (25 mm) Maxxon*	Yes	Yes	5/8" (16 mm)	Vinyl Plank	54 F-IIC	F13-130
	1" min. (25 mm) Maxxon*	Yes	Yes	5/8" (16 mm)	None	62 F-STC	22613-4STC
4" PRECAST CONCRETE *4'x2' (102 mm x 610 mm)*	Double layer cement board	No	No	None	Tile	55 F-STC	90-155
	Double layer cement board	No	No	None	Tile	52 F-IIC	90-8
8" CONCRETE	1" min. (25 mm) Maxxon*	No	No	None	Ceramic Tile	65 F-IIC	30160 05 72550-7
	1" min. (25 mm) Maxxon*	No	No	5/8" (16 mm)	Tile	66 F-IIC	30160 05 67282-1
8" HOLLOWCORE PRECAST CONCRETE *8'x2' (203 mm x 610 mm), no ceiling*	1" min. (25 mm) Maxxon*	No	No	None	Vinyl Plank	57 F-IIC	B2863.08-201-10
	1" min. (25 mm) Maxxon*	No	No	None	DuraCeramic Tile	61 F-IIC	B2863.07-201-10
	1" min. (25 mm) Maxxon*	No	No	None	Wood	61 F-IIC	B2863.09-201-10
No Acousti-Mat 3/8 (control)	1" min. (25 mm) Maxxon*	No	No	None	None	19 F-IIC	B2863.13-201-10
HAMBRO D-500 COMPOSITE FLOOR SYSTEM	1" min. (25 mm) Maxxon*	No	Yes	1/2" (12 mm)	Vinyl	53 IIC	7004079
	1" min. (25 mm) Maxxon*	No	Yes	1/2" (12 mm)	Quarry Tile	54 IIC	7004078
	1" min. (25 mm) Maxxon*	No	Yes	1/2" (12 mm)	Floating Laminate	55 IIC	7004080
	1" min. (25 mm) Maxxon*	No	Yes	1/2" (12 mm)	Quarry Tile	54 STC	5004027
	1" min. (25 mm) Maxxon*	No	Yes	1/2" (12 mm)	Glue Down Wood	51 IIC	7004084
TJI JOIST *w/ 3/4" (19 mm) T&G Plywood subfloor*	1" min. (25 mm) Maxxon*	Yes	Yes	2 layers - 5/8" (2x16 mm)	Ceramic	56 F-IIC	48-06-01
	1" min. (25 mm) Maxxon*	Yes	Yes	2 layers - 5/8" (2x16 mm)	Ceramic	57 F-STC	48-06-02

* Approved Maxxon Underlayment

SOUND TEST INFORMATION: International Building Code (IBC) requires a minimum 50 STC/IIC (45 F-STC/F-IIC) in multifamily construction. Because an STC/IIC of 50 provides only marginal sound control, the International Code Council (ICC), author of the IBC, now recommends that an "acceptable" level of performance for both STC and IIC is 55 (52 if field tested). The "preferred" level of performance for STC and IIC is 60 (57 if field tested). Maxxon Underlayments and Acousti-Mat are but single components of an effective sound control system. No sound control system is better than its weakest component. Care must be taken in the selection and installation of all components of construction to ensure the ultimate 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 type of floor covering used, channel spacing and other information, contact Maxxon for test reports by number.

WARRANTY: See our website for complete warranty info.

LEED® INFORMATION

For information regarding how Acousti-Mat 3/8 may help contribute toward points for LEED project contribution, contact your Regional Representative at (800) 356-7887 or visit www.maxxon.com/go_green.

ACOUSTI-MAT INSTALLATION

Sound mat is loose laid over the entire concrete or wood subfloor.

Seams between sections of sound mat are adhered with zip-strips or taped.*

*Once the mat has been loose laid, no further penetrations should be made. Rigid attachment through the sound mat minimizes the sound performance.

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.

Sound mat is topped with an approved Maxxon Underlayment, at a depth specific to the application. To ensure uniform depth and a smooth finish, installers use a screed to finish the underlayment surface. (If Acousti-Mat is installed only in hard surface areas, the underlayment is poured directly over the subfloor in areas to be covered with carpet and pad.)

In as little as two hours after the underlayment has been poured, the floor is hard enough to accommodate foot traffic, so light subtrades may continue working. Total drying time varies depending on the type of finished floor goods to be installed, but is generally completed within 5 to 7 days.

ACOUSTI MAT 3/8

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For every environment of your life.

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Richmond, VA 23294
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THE MULTIFAMILY STANDARD OF SOUND CONTROL

ACOUSTI-MAT® 3/8 PREMIUM

IDEAL UPGRADE FOR CONDOMINIUM LIVING

The original sound control mat just got better. Acousti-Mat® 3/8 Premium provides additional impact noise control with an added layer of high performance acoustical fabric. The Premium layer is laminated to the bottom of a core of fused entangled polymeric filaments, which is attached to a non-woven, water-resistant fabric. To complete the Maxxon engineered sound control system, Acousti-Mat 3/8 Premium is topped with a high-strength Maxxon Underlayment.

Acousti-Mat 3/8 Premium increases the IIC levels of the floor/ceiling assembly by up to 17 points over wood frame construction and up to 25 points over concrete construction. Acousti-Mat 3/8 Premium is an approximate 0.375" (10 mm) thick mat and requires only a 1" topping.

FEATURES & BENEFITS

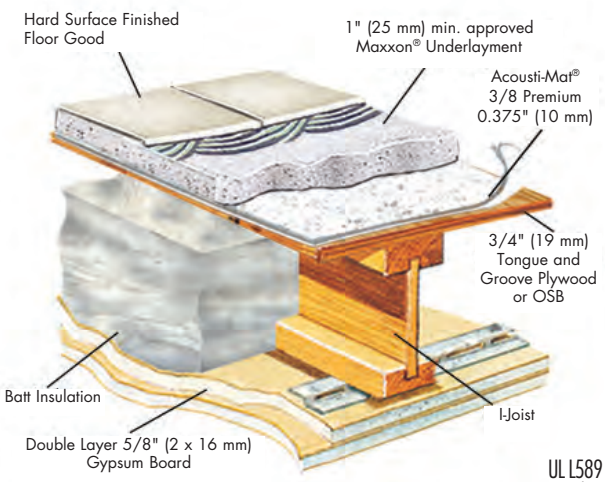
- Increases IIC rating up to 17 points over wood frame and up to 25 points over concrete
- Acousti-Mat 3/8 Premium combines acoustical fabric with entangled mesh for an overall approximate 0.375" (10 mm) mat profile
- Requires only a 1" topping
- GREENGUARD and GREENGUARD Gold Certified

ACOUSTI MAT 3/8 PREMIUM

TECHNICAL DATA

Description.....Entangled polymeric filament mat attached to non-woven fabric
Premium Layer ..... microfibrous non-woven fabric
Color..... Clear with white water-resistant fabric
Thickness, nominal ..... 0.375" (10 mm)
Density.....3.84 pcf (61.56 kg/m³)
Thermal Resistance R-Value
Mat Only 1.380
1" Maxxon Underlayment.....0.192
Mat/Underlayment.....1.572
Pressure/Deflection
500 psf (2,441 kg/m²).....0.067" (1.70 mm)
1,000 psf (4,882 kg/m²).....0.116" (2.95 mm)
2,000 psf (9,765 kg/m²).....0.172" (4.37 mm)
4,000 psf (19,530 kg/m²).....0.244" (6.20 mm)
Underlayment Depth
Gypsum Underlayment .....1" (25 mm)
Fire Performance ASTM E-84
Fuel Contribution.....0
Smoke Density 0
Flame Spread 0

DETAIL DRAWING



FIRE/SOUND RATINGS

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International Code Council

ICC ESR #2540 *For the following assembly types:*
- Parallel Chord Truss
- I-Joist
- Precast Concrete
- 2x10 Wood Truss
- Steel Joist

Additional ICC ES Reports: ESR #1141, ESR #1153, ESR #1774

Underwriters Laboratory International

UL ER #8477-01 *For the following assembly types:*
- Parallel Chord Truss
- I-Joist
- Steel Joist
- 2x10 Wood Truss
- Hambro
- Precast Concrete

FIRE RATINGS

UL Design

G230	L201	L517	L545	L588
G516	L202	L518	L546	L589
G524	L206	L519	L547	L590
G551	L208	L520	L549	L592
G553	L209	L522	L551	L593
G560	L210	L523	L552	M500
G561	L211	L524	L556	M502
G563	L212	L525	L557	M503
G566	L501	L526	L558	M504
G574	L502	L527	L560	M505
G587	L503	L528	L562	M506
G592	L504	L529	L563	M508
G597	L505	L532	L564	M510
J917	L506	L533	L565	M511
J919	L507	L534	L569	M513
J920	L508	L535	L570	M514
J924	L509	L536	L573	M515
J927	L510	L537	L574	M517
J931	L511	L538	L576	M518
J957	L512	L539	L577	M519
J958	L513	L540	L579	M530
J991	L514	L541	L581	M531
J994	L515	L542	L583	M534
L006	L516	L543	L585	M536

ULC Design

L530	L511	M501	M520
L003	L512	M503	M521
L201	M500	M514	

SOUND PERFORMANCE*

Floor System	Minimum Topping Depth	Sound Mat	Resilient Channel	Ceiling	Floor Coverings	Ratings	Test Report
PARALLEL CHORD TRUSS	3/4"	None	Yes	5/8"	Tile	F-IIC 37	F13-125
	1"	Acousti-Mat 3/8 Premium	Yes	5/8"	None	F-STC 62	22612-5
	1"	Acousti-Mat 3/8 Premium	Yes	5/8"	Tile	F-IIC 58	F13-133
	1"	Acousti-Mat 3/8 Premium	Yes	5/8"	Vinyl Plank	F-IIC 59	F13-132

*SOUND TEST INFORMATION: All acoustical testing was done by Architectural Testing; Riverbank Testing Laboratories; Intest, Inc.; 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 type of floor covering used, channel spacing and other information, contact Maxxon for test reports by number. International Building Code (IBC) requires a minimum 50 STC/IIC (45 F-STC/F-IIC) in multifamily construction. Because an STC/IIC of 50 provides only marginal sound control, the International Code Council (ICC), author of the IBC, now recommends that an "acceptable" level of performance for both STC and IIC is 55 (52 if field tested). The "preferred" level of performance for STC and IIC is 60 (57 if field tested). Maxxon Underlayments and Acousti-Mat are but single 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 ensure the ultimate designed acoustical performance.

WARRANTY: See website for complete warranty information.

LEED® INFORMATION

For information regarding how Acousti-Mat 3/8 Premium may contribute toward points for LEED project contribution, contact your Regional Representative at (800) 356-7887 or visit www.maxxon.com/go_green.

ACOUSTI-MAT INSTALLATION

Sound mat is loose laid over the entire concrete or wood subfloor.

Seams between sections of sound mat are adhered with zip-strips or taped.*

*Once the mat has been loose laid, no further penetrations should be made. Rigid attachment through the sound mat minimizes the sound performance.

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.

Sound mat is topped with an approved Maxxon Underlayment, at a depth specific to the application. To ensure uniform depth and a smooth finish, installers use a screed to finish the underlayment surface. (If Acousti-Mat is installed only in hard surface areas, the underlayment is poured directly over the subfloor in areas to be covered with carpet and pad.)

In as little as two hours after the underlayment has been poured, the floor is hard enough to accommodate foot traffic, so light subtrades may continue working. Total drying time varies depending on the type of finished floor goods to be installed, but is generally completed within 7 to 10 days.

ACOUSTI MAT 3/8 PREMIUM

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another superior product from MAXXON CORPORATION

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MULTIFAMILY LUXURY SOUND CONTROL

ACOUSTI-MAT® 3/4

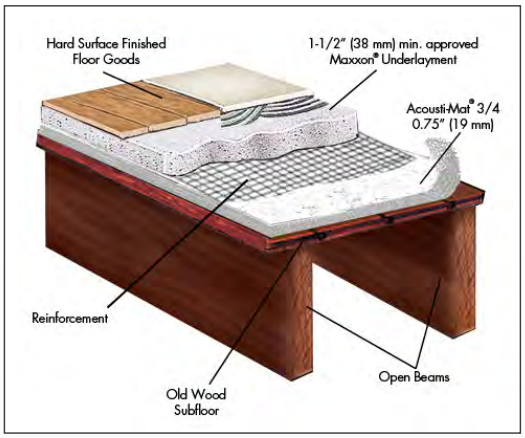
IDEAL FOR THE LUXURY DEVELOPMENTS & ASSEMBLIES WITH EXPOSED CEILINGS

Acousti-Mat® 3/4 is the sound deadening solution for floor systems that have been impossible to control. Reduce noise complaints — even in open beam, concrete slab and conventional wood frame systems. Acousti-Mat 3/4's core of fused, entangled filaments is attached to a water resistant, non-woven fabric, creating the largest air void of any sound control mat. Acousti-Mat 3/4 increases IIC levels up to 17 points over wood frame, and up to 25 IIC points (or more) over concrete. When installed with Maxxon® Underlayment, it also increases the STC rating 6–15 points over a bare wood frame system. Acousti-Mat 3/4 is GREENGUARD Gold Certified.

TECHNICAL DATA

Description.....Entangled polymeric filament mat
Thickness ..... 0.75" (19 mm)
Density ..... 2.66 pcf (42.6 kg/m³)
Thermal Resistance R-Value (ft²•°F•h/BTU)
Mat Only 1.550
1½" Maxxon Underlayment 0.288
Mat/Underlayment System 1.838
Underlayment Depth ..... 1½" (38 mm) Reinforced
Pressure/Deflection
50 psf (244 kg/m²).....0.05" (1.27 mm)
100 psf (488 kg/m²).....0.08" (2.03 mm)
200 psf (976 kg/m²).....0.15" (3.81 mm)
300 psf (1,465 kg/m²).....0.21" (5.33 mm)
Fire Performance ASTM E-84
(with approved Maxxon Underlayment)
Fuel Contribution.....0
Smoke Contribution.....0
Flame Spread.....0

DETAIL DRAWING



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FIRE RATINGS

UL Design

G230	L006	L512	L534	L562	M500
G516	L201	L513	L535	L563	M502
G524	L202	L514	L536	L564	M503
G551	L206	L515	L537	L565	M504
G553	L208	L516	L538	L569	M505
G560	L209	L517	L539	L570	M506
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G563	L211	L519	L541	L573	M508
G566	L212	L520	L542	L574	M510
G574	L501	L522	L543	L576	M513
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J919	L503	L524	L546	L579	M517
J920	L504	L525	L547	L581	M518
J924	L505	L526	L549	L583	M519
J927	L506	L527	L551	L585	
J931	L507	L528	L552	L588	
J957	L508	L529	L556	L589	
J958	L509	L530	L557	L590	
J991	L510	L532	L558	L592	
J994	L511	L533	L560	L593	

ULC Design

I530	L201	L512	M501	M514	M521
L003	L511	M500	M503	M520	

SOUND TESTS

Floor System	Topping	Insulation	Resilient Channel	Ceiling Drywall	Floor Covering	Rating	Test Numbers
OPEN BEAM	1½" (38 mm) Maxxon*	No	No	None	Vinyl	46 F-IIC	02 31573.3
	1½" (38 mm) Maxxon*	No	No	None	Floating Wood	52 F-IIC	02 31573.4
	1½" (38 mm) Maxxon*	No	No	None	None	47 F-STC	02 31573.6
Bare Floor over Open Beam *(control)*	None	No	No	None	None	33 F-IIC	02 31573.5
	None	No	No	None	None	30 F-STC	02 31573.7
8" CAST-IN-PLACE CONCRETE *(203 mm)*	2" (51 mm) Maxxon*	No	No	None	None	65 F-IIC	03 56381.6
	2" (51 mm) Concrete	No	No	None	None	61 F-IIC	03 56381.5
Bare Concrete, No Acousti-Mat *(control)*	None	No	No	None	None	36 F-IIC	03 56381.1
STEEL JOIST 12" DEEP *(305 mm) w/ 3/4" (19 mm) T&G plywood subfloor*	1½" (38 mm) Maxxon*	Yes	Yes	5/8" (16 mm)	Ceramic	57 F-IIC	04-22-1
	1½" (38 mm) Maxxon*	Yes	Yes	5/8" (16 mm)	Vinyl	57 F-IIC	04-22-2
	1½" (38 mm) Maxxon*	Yes	Yes	5/8" (16 mm)	Wood	58 F-IIC	04-22-3
TJI JOIST *w/ 3/4" (19 mm) T&G OSB subfloor*	1½" (38 mm) Maxxon*	Yes	Yes	2 layers - 5/8" (2 x 16 mm)	Ceramic	58 F-IIC	48-06-03
	1½" (38 mm) Maxxon*	Yes	Yes	2 layers - 5/8" (2 x 16 mm)	Ceramic	59 F-STC	48-06-04
PARALLEL CHORD TRUSS *20" deep, 24" OC*	1½" (38 mm) Maxxon*	Yes	Yes	2 layers - 5/8" (2 x 16 mm)	Tile	63 F-IIC	R05200
	1½" (38 mm) Maxxon*	Yes	Yes	2 layers - 5/8" (2 x 16 mm)	Wood	59 F-IIC	R05200

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WARRANTY: See our website for complete warranty information.

LEED® INFORMATION

For information regarding how Acousti-Mat 3/4 may contribute toward points for LEED project contribution, contact your Regional Representative at (800) 356-7887 or visit www.maxxon.com/go_green.

ACOUSTI-MAT INSTALLATION

Sound mat is loose laid over the entire concrete or wood subfloor.

Seams between sections of sound mat are adhered with zip-strips or taped.*

*Once the mat has been loose laid, no further penetrations should be made. Rigid attachment through the sound mat minimizes the sound performance.

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.*

*Install approved reinforcement over mat.

Sound mat is topped with an approved Maxxon Underlayment, at a depth specific to the application. To ensure uniform depth and a smooth finish, installers use a screed to finish the underlayment surface. (If Acousti-Mat is installed only in hard surface areas, the underlayment is poured directly over the subfloor in areas to be covered with carpet and pad.)

In as little as two hours after the underlayment has been poured, the floor is hard enough to accommodate foot traffic, so light subtrades may continue working. Total drying time varies depending on the type of finished floor goods to be installed, but is generally completed within 5 to 7 days.

ACOUSTI MAT 3/4

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MULTIFAMILY LUXURY SOUND CONTROL

ACOUSTI-MAT® 3/4 PREMIUM

MAXXON'S HIGHEST PERFORMANCE SOUND CONTROL MAT

For challenging floors, like those found in warehouse-to-multifamily conversion projects, only the best will do. Acousti-Mat® 3/4 Premium delivers top quality noise reduction by combining the proven sound reduction of Acousti-Mat's floating floor technology with an added layer of isolation. The Premium layer of acoustical fabric is laminated to the bottom of a core of fused entangled filaments, which is attached to a non-woven, water-resistant fabric. Acousti-Mat 3/4 Premium is then topped with a high-strength Maxxon Underlayment.

Acousti-Mat 3/4 Premium increases the IIC levels of the floor/ceiling assembly by up to 20 points over wood frame construction and up to 30 in concrete construction. At a height of 3/4" and requiring only a 1½" reinforced topping, Acousti-Mat 3/4 Premium provides ultimate sound control without significantly increasing the overall floor height over regular Acousti-Mat 3/4. The entire Maxxon system is covered by one warranty, and is also GREENGUARD and GREENGUARD Gold Certified.

FEATURES & BENEFITS

- Increases IIC rating up to 20 points over wood frame and up to 30 points over concrete.
- Acousti-Mat 3/4 Premium combines acoustical fabric with entangled mesh, for an overall approximate 0.75" mat profile.
- GREENGUARD and GREENGUARD Gold Certified.

ACOUSTI MAT 3/4 PREMIUM

Top of the line sound control made a little extra Premium.

TECHNICAL DATA

Description.....Entangled polymeric filament mat attached to non-woven fabric
Premium Layer ..... microfibrous non-woven fabric
Color.....Clear with white water resistant fabric and white acoustical fabric
Thickness, nominal ..... 0.75" (19 mm)
Density .....3.57 pcf (57.2 kg/m³)

Thermal Resistance	R-Value
Mat Only	2.150
1½" Maxxon Underlayment	0.288
Mat/Underlayment	2.438

Pressure/Deflection

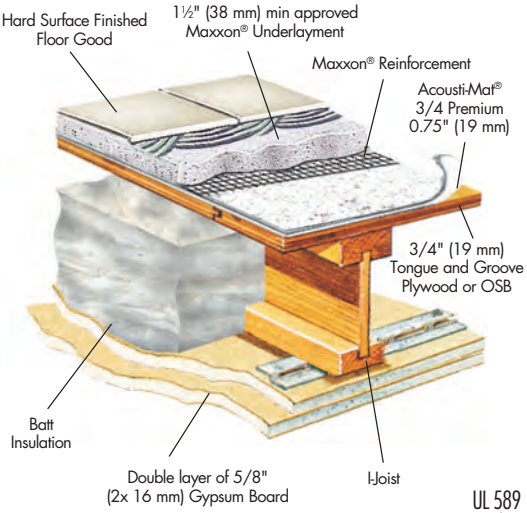
50 psf (244 kg/m²)	0.013" (0.33 mm)
100 psf (488 kg/m²)	0.031" (0.79 mm)
500 psf (2,440 kg/m²)	0.128" (3.25 mm)
1,000 psf (4,880 kg/m²)	0.218" (5.54 mm)

Underlayment Depth
Gypsum Underlayment .....1.5" (38 mm) Reinforced

Fire Performance ASTM E-84

Fuel Contribution	0
Smoke Density	0
Flame Spread	0

DETAIL DRAWING



FIRE/SOUND RATINGS

Evaluation Reports - Meeting fire and sound code together

Accepted by local building officials for fire and sound code compliance, Evaluation Reports are technical reports which verify that specific products meet the following code requirements and warrant regulatory approval. Minimum code requirements: **Sound** - 50 STC/IIC, **Fire** - 1 Hour

International Code Council

ICC ESR #2540 *For the following assembly types:*
- Parallel Chord Truss
- I-Joist
- Precast Concrete
- 2x10 Wood Truss
- Steel Joist

Additional ICC ES Reports: ESR #1141, ESR #1153, ESR #1774

Underwriters Laboratory International

UL ER #8477-01 *For the following assembly types:*
- Parallel Chord Truss
- I-Joist
- Steel Joist
- 2x10 Wood Truss
- Hambro
- Precast Concrete

FIRE RATINGS

UL Design

G230	L201	L513	L535	L563	M506
G516	L202	L514	L536	L564	M507
G524	L206	L515	L537	L565	M513
G551	L208	L516	L538	L569	M514
G553	L209	L517	L539	L570	M517
G560	L210	L518	L540	L574	M518
G561	L211	L519	L541	L576	M519
G563	L212	L520	L542	L577	
G566	L501	L522	L543	L579	
G574	L502	L523	L545	L581	
J917	L503	L524	L546	L583	
J919	L504	L525	L547	L588	
J920	L505	L526	L549	L589	
J924	L506	L527	L551	L590	
J927	L507	L528	L552	L592	
J931	L508	L529	L556	L593	
J957	L509	L530	L557	M500	
J991	L510	L532	L558	M503	
J994	L511	L533	L560	M504	
L006	L512	L534	L562	M505	

ULC Design

I530	L201	L512	M501	M514	M521
L003	L511	M500	M503	M520	

SOUND TEST INFORMATION: International Building Code (IBC) requires a minimum 50 STC/IIC (45 F-STC/F-IIC) in multifamily construction. Because an STC/IIC of 50 provides only marginal sound control, the International Code Council (ICC), author of the IBC, now recommends that an "acceptable" level of performance for both STC and IIC is 55 (52 if field tested). The "preferred" level of performance for STC and IIC is 60 (57 if field tested). Maxxon Underlayments and Acousti-Mat are but single components of an effective sound control system. No sound control system is better than its weakest component. Care must be taken in the selection and installation of all components of construction to ensure the ultimate 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 type of floor covering used, channel spacing and other information, contact Maxxon for test reports by number.

WARRANTY: See our website for complete warranty information.

LEED® INFORMATION

For information regarding how Acousti-Mat 3/4 Premium may contribute toward points for LEED project contribution, contact your Regional Representative at (800) 356-7887 or visit www.maxxon.com/go_green.

ACOUSTI-MAT INSTALLATION

Sound mat is loose laid over the entire concrete or wood subfloor.

Seams between sections of sound mat are adhered with zip-strips or taped.*

*Once the mat has been loose laid, no further penetrations should be made. Rigid attachment through the sound mat minimizes the sound performance.

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.

Approved reinforcement is installed over the sound mat. The sound mat and reinforcement are then topped with an approved Maxxon Underlayment, at a depth specific to the application. To ensure uniform depth and a smooth finish, installers use a screed to finish the underlayment surface. (If Acousti-Mat is installed only in hard surface areas, the underlayment is poured directly over the subfloor in areas to be covered with carpet and pad.)

In as little as two hours after the underlayment has been poured, the floor is hard enough to accommodate foot traffic, so light subtrades may continue working. Total drying time varies depending on the type of finished floor goods to be installed, but is generally completed within 10 to 14 days.

ACOUSTI MAT 3/4 PREMIUM

Acoustical® SOLUTIONS
For every environment of your life.

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