

ACOUSTI-MAT CLP

A revolutionary sound control advancement for high-rise construction — now you can replace floor goods without replacing the sound mat!



Until now, impact sound control in concrete high-rise construction only lasted as long as the floor goods. When the floor goods are changed, which happens often in residential complexes, the sound mats placed on top of the concrete floor are damaged and the building owner must then decide to either:

- replace the sound mat, adding to project cost, or
- ignore the situation, likely resulting in noise complaints from the tenants as well as problems that can be even more costly to resolve.

Now there's a permanent sound control solution — the new Acousti-Mat CLP (Concrete/Low Profile) system can meet the 50 IIC sound control rating required by the International Building Code, before any floor goods are installed. The <math><1/16</math>" Acousti-Mat CLP is attached to the concrete subfloor and



then topped with a Maxxon Underlayment, permanently encasing the Acousti-Mat CLP in the underlayment. So when floor goods are changed, the sound control system remains intact. The underlayment can even level the floor to meet the 1/8" in 10 feet levelness criteria required for laminate wood floors.

For new or renovated concrete floors, **Acousti-Mat CLP is the permanent sound control solution** that features:

- Fast, easy installation
- Delta IIC rating of 19 — an approximate **75% reduction in impact noise** on concrete floor systems
- Floor leveling for ease of floor goods installation
- Optional concrete topping/wear surface — can be installed for the popular "loft" floor look
- Sound control that stays locked in place when floor goods are removed!

ACOUSTI-MAT[®] CLP
Concrete/Low Profile

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

ACOUSTI-MAT® CLP INSTALLATION

step 1



Acousti-Mat CLP Adhesive is rolled out over clean and contaminant free concrete. Over rough concrete surfaces, a slurry of Maxxon Underlayment should be utilized.

step 2



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

step 3



Back roll Acousti-Mat CLP to ensure that 100% surface contact is achieved with adhesive or slurry application.

Product Support:

Additional product literature, CSI formatted specifications and information are available upon request. For special applications, contact Maxxon Corporation.

Warranty:

Maxxon Corporation warrants Acousti-Mat® CLP 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® CLP. 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® CLP.

step 4



Isolation Strips are installed around all walls, columns, and floor penetrations to eliminate flanking paths. Acousti-Mat CLP Isolation Strips can also be utilized to cover any exposed concrete between seams in the Acousti-Mat CLP.

step 5



Acousti-Mat CLP is topped with an approved Maxxon Underlayment.† For uniform depth and a smooth surface, installers use a screed to finish the underlayment surface.

step 6



In as little as two hours after the underlayment has been poured, the floor is hard enough to accommodate foot traffic. Utilizing a Maxxon Underlayment over the Acousti-Mat CLP provides a smooth, flat underlayment that can meet the floor flatness criteria of the finished floor goods.*

* Floor flatness requirement must be discussed with the general contractor during the bidding process.

ACOUSTI-MAT® CLP BENEFITS

- The low profile, permanent sound control solution for concrete.
- Achieves a Delta IIC of 19 — approximately a 75% reduction in impact noise on concrete floor systems.

TECHNICAL DATA

ACOUSTI-MAT® CLP Description

Material composition: blend of polymeric fibers
 Thickness: <math><1/16''</math> (45 mils)
 Basis Weight: 175 g/m²
 Color: dark gray
 Mullen Burst: >200 psi
 Air Permeability: 150 cam
 MD Tensile: 30 lb/in
 CD Tensile: 30 lb/in

† Gypsum Underlayment Depth
 1/2" (12.7 mm)

Sound Test Results See below.

ACOUSTI-MAT® CLP with Reinforcement Description

Material composition: nylon reinforcement on blend of polymeric fibers
 Thickness: 5/32" (3.97 mm)
 Basis Weight: 175 g/m²
 Color: dark gray with black nylon
 Mullen Burst: >200 psi
 Air Permeability: 150 cam
 MD Tensile: 30 lb/in
 CD Tensile: 30 lb/in



Acousti-Mat® CLP with Reinforcement — engineered for Level-Right® installations.

† Level-Right® Self-Leveling Underlayment & WearTop™ Depth
 3/8" (9.5 mm) with Acousti-Mat CLP with Reinforcement

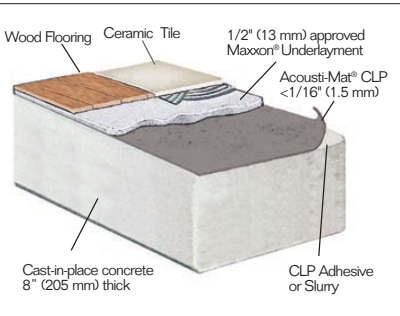
Sound Test Results See below.

SOUND TEST RESULTS	Floor System	Topping	Insulation	Resilient Channel	Ceiling Drywall	Floor Coverings	Rating	Test Numbers
	6" Concrete (152 mm)	Thinset with Tile	No	No	No	Quarry Tile	STC 54	NGC 5006017
8" Concrete (203 mm)	1/2" (12.7 mm) Maxxon*	No	Yes	5/8" (16mm)	None	57 F-IIC	0677973	
		No	Yes	5/8" (16mm)	Wood	60 F-IIC	0677973	
Bare Concrete, No AM CLP (control)	None	No	Yes	5/8" (16mm)	None	42 F-IIC, 62 F-STC	0677973	
8" Concrete (203 mm)	1/4" (6 mm) Level-Right WearTop	No	No	No	None	59 F-IIC	72550	
		None	No	No	None	37 F-IIC	72550	

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/Enkasonic 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 selection and installation of all components of construction to assure the ultimate designed acoustical performance.

* Approved Maxxon Underlayment



ACOUSTI-MAT® CLP Concrete/Low Profile

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