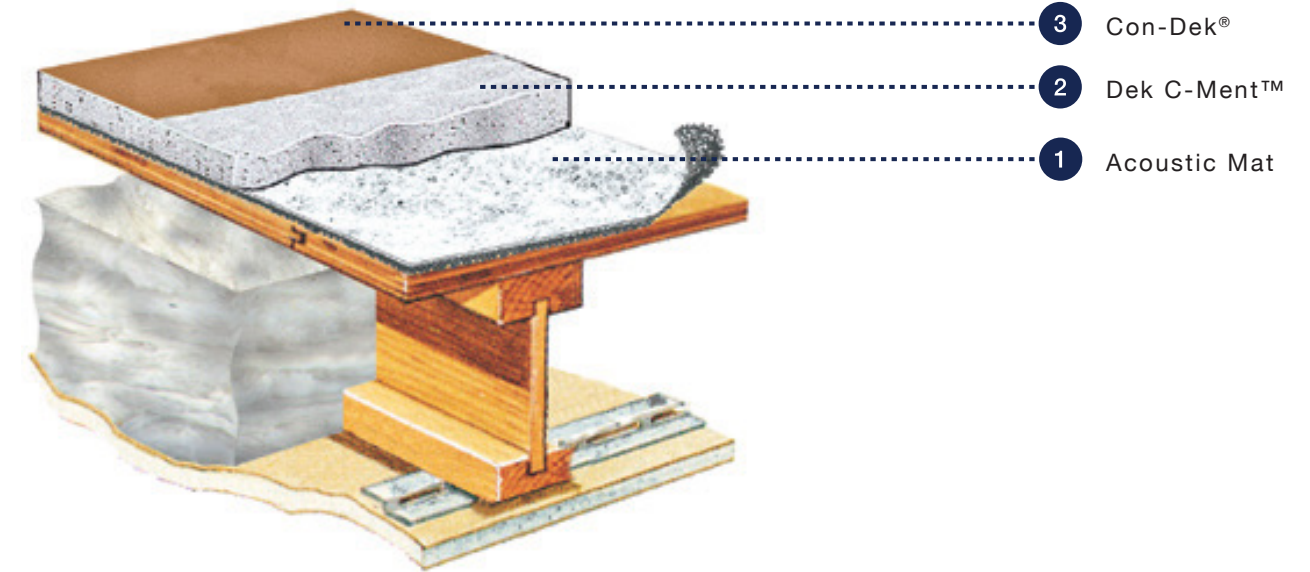


## DEK C-MENT™

Dek C-Ment™ is a high-strength underlayment designed specifically for installation with Pli-Dek®'s Con-Dek® System to provide enhanced acoustical performance. Together, Dek C-Ment™ and the Con-Dek® System provide an assembly that is waterproof, 1-hour, Class “A” Fire Rated and offers the ability to incorporate sound control mats for a “sound waterproofing solution.” This assembly is ideal for areas that require sound control and waterproofing such as walkways, corridors, roof decks and personal balconies.



## TECHNICAL DATA

### DEK C-MENT™

- Compressive Strength:**  
Up to 4,000 psi (28.0 MPa) when tested in accordance with modified ASTM C-109. Static loading to 3,500 psi (24.1 MPa)
- Density:**  
Typical density is 115 lbs. per cubic foot (1842 kg/m³)
- Thermal Resistance at 1” (25mm) Thickness:**  
R-0.202
- Coefficient of Conductivity (K):**  
4.76 Btu/sf/hour/°F/inch thickness (.6854 W/[m•°C])
- Specific Heat:**  
229 Btu/(lb.°F) at 85°F (.9595 kJ/ [kg•°C] at 29.44 °C)
- Surface Burning Characteristics:**  
Flame Spread- 0, Fuel Contribution- 0, Smoke Development- 0. (ASTM E-84)
- VOC Emissions:**  
GREENGUARD Children & Schools SM Certified
- Code Listing:**  
ICC ESR-2540 ..... Pass

### CON-DEK® SYSTEM

- Spread of Flame:**  
Class “A” Fire Rating - Intermittent Flame Burning Brand, ASTM E-108
- Abrasion Resistance:**  
ASTM D-968..... 2.9%
- Static Coefficient of Friction:**  
ASTM C-1028-96 ..... 0.835
- Water Absorption:**  
ASTM D-570-98 ..... Pass
- Impact Resistance:**  
ASTM D-3746-85 ..... Pass
- Freeze Thaw:**  
ASTM C-67-03..... Pass
- Accelerated Aging:**  
ASTM D-756-93 ..... Pass
- Tensile Strength:**  
ASTM C-297-94 ..... Pass
- Chemical Resistance:**  
ASTM D-2299 ..... Pass
- Code Listing:**  
ICC ESR-2097 ..... Pass

## BENEFITS

- ICC ESR-2540
- Enhanced Acoustical Performance
- ADA Compliant Finishes
- UV Resistant
- 1 Hour & Class “A” Fire Rated
- Extremely Durable
- Extensive Finish Options



	Floor System	Topping	Insulation	Resilient Channel	Ceiling Drywall	Hard Surface Flooring	Rating	Test Numbers
UNDERLAYMENT ONLY	Wood Joist w/ 5/8" (16 mm) plywood subfloor, 2"x10" (51 mm-254 mm) joists	3/4" (19 mm) Maxxon*	Yes	Yes	1/2" (13mm)	Yes	45 F-IIC	81-0081
		3/4" (19 mm) Maxxon*	Yes	Yes	1/2" (13mm)	None	54 F-STC	81-0081
	TJI® Joist w/3/4" (19mm) T&G OSB subfloor	3/4" (19 mm) Maxxon*	Yes	Yes	5/8" (16mm), 2 Layers	None	58-STC	TL96-250
	Truss Plate Institute w/ 3/4" (19 mm) T&G plywood subfloor	3/4" (19 mm) Maxxon*	Yes (blown-in)	Yes	5/8" (16mm)	Yes	57-STC	98 67280.10
3/4" (19 mm) Maxxon*		Yes (blown-in)	Yes	5/8" (16mm)	Yes	40-FIIC	98 67280.12	
ACCOUSTI-MAT II	Parallel Chord Truss 2"x4" (51x102 mm) w/ 3/4" (19 mm) OSB subfloor	1" (25 mm) Maxxon*	Yes	Yes	5/8" (16mm)	Yes	56 F-IIC	98 67280.5
		1" (25 mm) Maxxon*	Yes	Yes	5/8" (16mm)	Yes	56 F-STC	99 1736.7
	TJI® Joist w/3/4" (19mm) T&G OSB subfloor	1" (25 mm) Maxxon*	Yes	Yes	5/8" (16mm)	Yes	52 F-IIC	99 1736.4
		1 1/4" (31.75 mm) Maxxon*	Yes	Yes	2 Layers of 5/8"	Yes	53 F-IIC	48-06-5
ENKASONIC	Wood Joist w/ 5/8" (16 mm) plywood subfloor, 2"x10" (51 mm-254 mm) joists	1 1/2" (38 mm) Maxxon*	Yes	Yes	5/8" (16mm)	Yes	57 IIC	IN88-2
		1 1/2" (38 mm) Maxxon*	Yes	Yes	5/8" (16mm)	Yes	59 IIC	7004073
	Parallel Chord Truss 18" deep, 24" OC plywood subfloor	1 1/2" (38 mm) Maxxon*	Yes	Yes	5/8" (16mm)	Yes	58 STC	5004024
		1 1/2" (38 mm) Maxxon*	Yes	Yes	2 Layers of 5/8"	Yes	56 F-IIC	48-06-01
TJI® Joist w/3/4" (19mm) T&G plywood subfloor	1 1/2" (38 mm) Maxxon*	Yes	Yes	2 Layers of 5/8"	Yes	57 F-STC	48-06-02	
	1 1/2" (38 mm) Maxxon*	Yes	Yes	2 Layers of 5/8"	Yes	57 F-STC	48-06-02	
ACCOUSTI-MAT 3	Steel Joist 12" Deep (305 mm) w/3/4" (19mm) T&G plywood subfloor	1 1/2" (38 mm) Maxxon*	Yes	Yes	5/8" (16mm)	Yes	57 F-IIC	04-22-1
		1 1/2" (38 mm) Maxxon*	Yes	Yes	2 Layers of 5/8"	Yes	58 F-IIC	48-06-03
	TJI® Joist w/ 3/4" (19mm) T&G plywood subfloor	1 1/2" (38 mm) Maxxon*	Yes	Yes	2 Layers of 5/8"	Yes	59 F-STC	48-06-04
		1 1/2" (38 mm) Maxxon*	Yes	Yes	2 Layers of 5/8"	Yes	59 F-STC	48-06-04
Parallel Chord Truss 20" deep, 24" OC plywood subfloor	1 1/2" (38 mm) Maxxon*	Yes	Yes	2 Layers of 5/8"	Yes	63 F-IIC	RO5200	

†See test report for full description of assembly. \*Approved Maxxon Underlayment. The International Building Code requires a minimum of 45 for field STC and Field IIC.

NOTE: FSTC — Field Sound Transmission Class in accordance with ANSI/ASTM E-336 and E-413.

STC — Sound Transmission Class in accordance with ASTM E-90 and E-413.

IIC — Impact Insulation Class in accordance with ASTM E-492.

FIIC — Field Impact Insulation Class in accordance with ASTM E-1007 and E-989.

All acoustical testing was done by Riverbank Testing Laboratories; Intest, Inc.; Twin City Testing Corporation; San Diego Acoustics; or D.L. Adams Associates, L.T.D. For type of floor covering used, channel spacing and other information, contact Maxxon for test reports by number. For good acoustical performance, the selection of a floor/ceiling system attaining a minimum 60 STC and IIC is recommended. Systems attaining ratings less than 55 STC and IIC provide only marginal acoustical performance. The Maxxon floor 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.



## DEK C-MENT™ SYSTEM

Acoustical & Waterproof Performance