MAXXON®
COMMERCIAL PRO
Level-Crete™

Products for approved Maxxon applicators

TECHNICAL DATA SHEET
MARCH 2026

PRODUCT DESCRIPTION

Maxxon® Commercial Pro Level-Crete™ underlayment is a cost-effective, high strength hydraulic cement underlayment used to cap rough, pitted, and out-of-level concrete. It can also be used as a high strength underlayment in steel deck and wood frame applications. Maxxon Commercial Pro Level-Crete provides a compressive strength range of 4,000–5,000 psi (27.6–34.5 MPa).

WHERE TO USE

Application
Commercial renovation and concrete construction

Subfloor
Interior concrete, steel deck, terrazzo, ceramic, quarry, marble tile, old vinyl tile, wood, and radiant heat floors

FEATURES & BENEFITS

- Cap uneven, rough, or spalled concrete floors
- Excellent strength and flow properties
- High compressive strengths make it ideal for commercial, retail and institutional projects
- Installed by Maxxon-approved applicators
- Batch mixed on-site to meet project needs
- Accepts virtually all floor coverings
- May be used as part of a wear surface system — contact Maxxon for details
- GREENGUARD Gold Certified

PRODUCT INFORMATION

Compressive Strength (Modified ASTM C109)	Typical range of 4,000–5,000 psi (27.6–34.5 MPa)
Installation Depths	From featheredge to 3" (0–76 mm) For deeper pours, contact Maxxon
Dry Density	115–125 lbs/ft^3 (1,842–2,002 kg/m^3)
Fire Performance (ASTM E84)	Flame Spread – 0 Fuel Contribution – 0 Smoke Development – 0



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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
Material & Resources	MR 3	Building Product Disclosure and Optimization – Sourcing Raw Materials

** Credits may vary depending on project type and Maxxon products used.*

Maxxon Commercial Pro Level-Crete underlayment is GREENGUARD Gold Certified. For additional information on Maxxon Commercial Pro Level-Crete underlayment's environmental credits and certifications visit Maxxon.com/go_green.

CODE LISTINGS

- ICC ESR 2540
- UL ER 8477-01

UL FIRE RESISTANCE-RATED DESIGNS

UL Design

G230	J924	L212	L515	L533	L551	L574	M504
G516	J927	L501	L516	L534	L552	L576	M505
G524	J931	L502	L517	L535	L556	L577	M506
G551	J957	L503	L518	L536	L557	L579	M507
G553	J958	L504	L519	L537	L558	L581	M508
G560	J991	L505	L520	L538	L560	L583	M510
G561	J994	L506	L522	L539	L562	L585	M511
G563	L006	L507	L523	L540	L563	L588	M513
G566	L201	L508	L524	L541	L564	L589	M514
G574	L202	L509	L525	L542	L565	L590	M515
G587	L206	L510	L526	L543	L567	L592	M517
G597	L208	L511	L527	L545	L569	L593	M518
J917	L209	L512	L528	L546	L570	M500	M519
J919	L210	L513	L529	L547	L571	M502	M530
J920	L211	L514	L530	L549	L573	M503	M531

ULC Design

I530	L201	L512	M501	M514	M521
L003	L511	M500	M503	M520	

For more information on current UL and ULC Designs, contact Maxxon Corporation.

INSTALLATION

Building interior and floor should be maintained above 50 °F (10 °C) for at least 24 hours prior to installation and until underlayment has set. There should be no air movement until Maxxon Commercial Pro Level-Crete has set, then provide adequate air movement by opening windows to hasten underlayment drying. Minimize direct sunlight during the pour and through the next 72 hours. Plumbing or electrical penetrations should be packed with insulation and sealed. Follow Radiant Panel Association (RPA) recommendations at radiantprofessionalsalliance.org and turn off radiant heating systems 24 hours prior to and after pouring Maxxon Commercial Pro Level-Crete.

Refer to Maxxon's Multifamily Procedures Guide for more information.

Concrete Subfloor Preparation

Concrete subfloors must be structurally sound, fully cured, moisture free and have no efflorescence. The substrate surface must be clean and free of dust and contaminants. If cracks are present prior to pouring Maxxon Commercial Pro Level-Crete, contact a structural engineer to determine the appropriate remediation.

All concrete subfloors should be tested for moisture prior to pouring Maxxon Commercial Pro Level-Crete (see Limitation 4). Moisture-free concrete subfloors and exposed edges must be primed with Maxxon® Commercial Multi-Use Acrylic Primer prior to pouring Maxxon Commercial Pro Level-Crete.

Wood Subfloor Preparation

Wood subfloors must be structurally sound, clean, and free of dust and contaminants.

Wood subfloors must be primed with a Maxxon® floor primer prior to Maxxon Commercial Pro Level-Crete application.

Existing Flooring Preparation

When pouring Maxxon Commercial Pro Level-Crete over existing finished floor products such as terrazzo, ceramic, vinyl and marble tile, the surface must be clean, dry and free from any bond breakers such as wax, oil or grease. All loose flooring products must be removed. If vinyl asbestos tile (VAT) or adhesives containing asbestos is suspected, contact Maxxon Corporation.

All non-asbestos adhesive residue must be tested to determine if it is water-soluble or non-water-soluble. Water-soluble adhesives must be removed mechanically down to clean subfloor. Non-water-soluble adhesives must be scraped to a thin, well-bonded residual as recommended by the Resilient Floor Covering Institute (www.rfci.com) to remove thick areas and adhesive build-up.

INSTALLATION *Continued*

If adhesive residue is not well-bonded to the concrete or is brittle, powdery or otherwise weak, it must be completely removed by mechanical means down to clean, sound, solid subfloor.

Once existing flooring has been prepared as described above, prime the floor with an appropriate Maxxon primer prior to pouring Maxxon Commercial Pro Level-Crete.

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.

Prior to Maxxon Commercial Pro Level-Crete application, the steel deck surface must be primed with Maxxon Commercial Acrylic Primer.

For more general information regarding priming instructions, please refer to Maxxon's Design and Installation guide or contact Maxxon Corporation.

Underlayment Application

The minimum thickness of Maxxon Commercial Pro Level-Crete varies with the type of subfloor. Maxxon Commercial Pro Level-Crete can be applied from featheredge to 3" over concrete subfloors. Over wood frame construction, the minimum thickness is 3/4" (19 mm). Over galvanized corrugated steel deck it is poured 1" (25 mm) over the top of the flutes, with an average pour thickness of 1 1/16" (40 mm).

Follow all proper safety protocol. Refer to Maxxon.com for all associated products' literature when installing underlayment.

Drying

Continuous ventilation and adequate heat should be provided to rapidly remove moisture from the area until the underlayment is dry. The general contractor/project superintendent must supply mechanical ventilation and heat if necessary. Under the above conditions, 3/4" (19 mm) thickness drying time is usually 5 to 7 days, while 1" (25 mm) dry time is usually 7–10 days. Reference Maxxon® Underlayment & Finished Floor Goods Installation Procedures brochure at Maxxon.com for complete installation guidelines.

INSTALLATION *Continued*

Exposure Before Installation of Windows and Doors

Due to site scheduling it is sometimes necessary during construction to install Maxxon underlayments before completion of windows and doors. This situation is common in steel deck and steel frame construction and may allow exposure of the underlayment to incidental moisture. Maxxon underlayments show good early strength development and are resistant to this incidental moisture. Underlayments with compressive strength above 3000 psi, such as Maxxon Commercial Pro Level-Crete, may be poured up to 60 days prior to final closing of the building with doors and windows. All other installation instructions and limitations must be followed. This includes an ambient air and floor temperature above 50°F (10°C) at the time of installation. Temperature of the underlayment must be maintained above freezing (32°F, 0°C) at all times.

After closing of the building, prior to installation of finished floor covering, moisture testing should be performed as described in limitation 14 below and per floor covering manufacturer requirements. Additional dry time may be necessary if the underlayment was exposed to moisture before door and window installation.

LIMITATIONS

For questions regarding these limitations or for applications other than those described herein, contact Maxxon Corporation at (800) 356-7887.

1. Most common applications are for interior use, but contact a Maxxon representative for exterior applications.
2. For on or below grade applications Maxxon recommends the use of a moisture mitigation product such as Maxxon Commercial MVP One, Maxxon Commercial MVP Two, or Maxxon Commercial Isolate. Contact Maxxon Corporation for recommendations on suitable products for job site conditions.
3. Maxxon underlayments are not intended to bond to wet subfloors. They are not a vapor or moisture barrier. Never install a moisture vapor barrier product over Maxxon underlayments. Do not use where those products will come in prolonged contact with, or repetitive exposure to, water or water vapor.
4. It is the responsibility of the general contractor to complete moisture testing before 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 ft^2 (92.9 m^2)/24 hours or an RH greater than 80%, treat the concrete subfloor with Maxxon® Commercial MVP One Moisture Mitigation 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.

LIMITATIONS *Continued*

5. All subfloors above crawl spaces must be protected by a vapor barrier. Special instructions must be followed when applying Maxxon underlayments to plastic vapor barriers, over particleboard, chipboard, hardboard such as Masonite®, Lauan panels, metal, asbestos, or any other non-dimensionally stable materials. Contact Maxxon Corporation for more information.
6. Turn off radiant heating systems 24 hours prior to and after installation.
7. Do not clean wood or concrete subfloors with oil-based or silicone-based sweeping compounds. These compounds leave a film on the subfloor surface that will interfere with bond development. Instead, use a vacuum with a HEPA filter to clean the subfloor in preparation for Maxxon Commercial Pro Level-Crete underlayment application.
8. For applications where organic adhesives, asphalt, coal-tar based adhesives and other oil-based contaminants are found, contact Maxxon for proper remediation methods.
9. Maxxon underlayments may be scheduled before or after installation of drywall. For pouring before drywall, contact Maxxon Corporation.
10. Maxxon 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.
11. Respect active control joints. Always ensure such joints are honored completely through Maxxon underlayments. In cases where control or expansion joints are not present in the subfloor, or cracking has occurred due to slab movement, consult a structural engineer.
12. Avoid walking on installed surface until set, typically within 2–4 hours.
13. Trade traffic may resume 24 hours after installation. After trades resume, the underlayment may be exposed to rolling dynamic loads. To limit damage where underlayment will be subjected to heavy wheeled or concentrated loads, place temporary wood planking over the underlayment.
14. Prior to floor-covering installation, a moisture test of Maxxon Commercial Pro Level-Crete underlayment is highly recommended. When testing the underlayment for dryness, use ASTM F2659. The moisture content should not exceed 5%. If the Maxxon Commercial Pro Level-Crete underlayment pour is greater than 2", test using ASTM F2170. That RH should not exceed 80%. Do not install floor goods until those limitations are met. If the flooring manufacturer specifies more stringent moisture limitations, they must be followed. Reference Maxxon® Underlayment & Finished Floor Goods Installation Procedures brochure at Maxxon.com.

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LIMITATIONS *Continued*

15. Maxxon Commercial Pro Level-Crete underlayment can be used as a wear surface with a tested protective coating system. Coating systems must be tested for adhesion to Maxxon Commercial Pro Level-Crete underlayment. The bond test and performance of coatings is the responsibility of the coating manufacturer and/or installing contractor.

FLOOR COVERING CONSIDERATIONS

Ceramic tile can be thin set to Maxxon Commercial Pro Level-Crete underlayment 2 to 4 hours after set. Other floor goods can be installed once Maxxon Commercial Pro Level-Crete underlayment passes a moisture test (see Limitation 14). Refer to Maxxon® Underlayment & Finished Floor Goods Installation Procedures brochure at Maxxon.com.

STORAGE AND DISPOSAL

Store in original sealed packaging in a cool, dry environment and protect from humidity and water. Recommended storage temperature range of 50–100 °F (10–38 °C). Dispose of contents and container in accordance with all applicable regulations.

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.

ICC ESR-2540
UL ERB477-01

File R8477 Type Maxxon High Strength FLOOR TOPPING MIXTURE
FIRE RESISTANCE CLASSIFICATION
SEE UL FIRE RESISTANCE DIRECTORY AND UL PRODUCTS CERTIFIED FOR CANADA DIRECTORY
8SKL
For mixing instructions refer to specific design number

GREENGUARD GOLD

GREENGUARD

MADE IN USA

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800-356-7887
maxxon.com

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@Maxxon.Corporation
maxxon-corporation

JOB NAME: _____ DATE: _____

APPLICATOR: _____

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