MAXXON®
Rapid Floor® Basic

Products for approved Maxxon applicators

TECHNICAL DATA SHEET
APRIL 2025

PRODUCT DESCRIPTION

Maxxon® Rapid Floor® Basic underlayment is a cost-effective solution for interior wood subfloors. It is fast-setting and provides compressive strengths up to 2,200 psi (15.2 MPa). Its surface provides a UL fire resistance-rated underlayment. Maxxon Rapid Floor Basic underlayment can be used in multifamily construction and accepts many floor-coverings.

WHERE TO USE

Application
Multifamily wood frame construction. Contact Maxxon regarding pre-cast, poured-in-place and pre-stressed concrete construction.

Subfloor
Interior wood, concrete, steel.

FEATURES & BENEFITS

- Ideal for multifamily construction
- Fast-setting material allows for quick return of trade traffic
- Installed by Maxxon-approved applicators
- More than 140 UL & ULC Fire-Resistance-Rated Designs
- May be used with Maxxon® Acousti-Mat® products
- GREENGUARD Gold Certified

PRODUCT INFORMATION

Compressive Strength (Modified ASTM C472)	Up to 2,200 psi (15.2 MPa)
Installation Depths	From 3/4" to 3" (19–76 mm) For deeper pours, contact Maxxon
Dry Density	110–120 lbs./ft^3 (1,762–1,922 kg/m^3)
Fire Performance (ASTM E84)	Flame Spread – 0 Fuel Contribution – 0 Smoke Development – 0

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ENVIROMENTAL 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 Rapid Floor Basic underlayment is GREENGUARD Gold Certified. For additional information on Maxxon Rapid Floor Basic underlayment's environmental credits and certifications visit Maxxon.com/go_green.

CODE LISTINGS

- ICC ESR 2540
- UL ER 8477-01
- HUD1286e

UL FIRE RESISTANCE-RATED DESIGNS

UL Design

G230	L201	L508	L524	L541	L564	L589	M514
G516	L202	L509	L525	L542	L565	L590	M515
G524	L206	L510	L526	L543	L567	L592	M517
G561	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
J924	L212	L515	L533	L551	L574	M504	
J927	L501	L516	L534	L552	L576	M505	
J931	L502	L517	L535	L556	L577	M506	
J957	L503	L518	L536	L557	L579	M507	
J958	L504	L519	L537	L558	L581	M508	
J991	L505	L520	L538	L560	L583	M510	
J994	L506	L522	L539	L562	L585	M511	
L006	L507	L523	L540	L563	L588	M513	

ULC Design

L003	L511	M500	M503	M520
L201	L512	M501	M514	M521

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 Rapid Floor Basic underlayment 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.

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

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 Rapid Floor Basic underlayment application.

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 Rapid Floor Basic underlayment, contact a structural engineer to determine the appropriate remediation.

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

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 Rapid Floor Multifamily underlayment application, the steel deck surface must be primed with Maxxon Commercial Multi-Use Acrylic Primer.

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

INSTALLATION *Continued*

Underlayment Application

Follow all proper safety protocol. Maxxon Rapid Floor Basic underlayment requires a minimum 3/4" (19 mm) thickness. If using with a Maxxon Acousti-Mat, refer to applicable literature for minimum depth requirements. 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.

LIMITATIONS

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

1. For interior use only. If underlayment will be installed prior to doors and windows, contact Maxxon Corporation.
2. For on or below grade applications, contact Maxxon Corporation.
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 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.
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.

LIMITATIONS *Continued*

7. Do not clean wood or concrete subfloors with oil-based or silicon-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 Rapid Floor Basic 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 Rapid Floor Basic underlayment is highly recommended. When testing the underlayment for dryness, use ASTM F2659. The moisture content should not exceed 5%. If the Maxxon Rapid Floor Basic 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.
15. Maxxon Rapid Floor Basic underlayment cannot be used as a wear surface.

FLOOR COVERING CONSIDERATIONS

Floor goods can be installed once Maxxon Rapid Floor Basic underlayment passes a moisture test (see Limitation 14). Refer to Maxxon® Underlayment & Finished Floor Goods Installation Procedures brochure at Maxxon.com.

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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 ER8477-01

CLASSIFIED C UL US

File R8477 Type Maxxon Standard
FLOOR TOPPING MIXTURE
FIRE RESISTANCE CLASSIFICATION
SEE UL FIRE RESISTANCE DIRECTORY AND
UL PRODUCTS CERTIFIED FOR CANADA DIRECTORY
88KL

GREENGUARD GOLD

GREENGUARD

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JOB NAME: DATE:

APPLICATOR:

Maxxon Corporation assumes no responsibility or liability for any errors or omissions in the content of this document. The information contained is subject to change without notice. Follow local and state regulations and use appropriate safety precautions and measures when installing Maxxon products. See related product literature at Maxxon.com or contact Maxxon Corporation for more information prior to installation.

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