

MAXXON®

Gyp-Crete® Basic



Products for
approved Maxxon
applicators

TECHNICAL DATA SHEET

JANUARY 2023

PRODUCT DESCRIPTION

Maxxon® Gyp-Crete® 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 crack-resistant surface provides a UL fire resistance-rated underlayment. Maxxon Gyp-Crete 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 |



BENEATH IT ALL, MAXXON DELIVERS.™



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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 Gyp-Crete Basic underlayment is GREENGUARD Gold Certified. For additional information on Maxxon Gyp-Crete 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 Gyp-Crete 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 Building Conditions 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 Gyp-Crete 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 Gyp-Crete Basic underlayment, contact a structural engineer to determine the appropriate remediation.

All concrete subfloors should be tested for moisture prior to pouring Maxxon Gyp-Crete 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 Gyp-Crete 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 Gyp-Crete High Performance 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.

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INSTALLATION *Continued*

Underlayment Application

Follow all proper safety protocol. Maxxon Gyp-Crete 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 ft² (92.9 m²)/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.
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.



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LIMITATIONS *Continued*

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 Gyp-Crete 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 Gyp-Crete Basic underlayment is highly recommended. When testing the underlayment for dryness, use ASTM F2659. The moisture content should not exceed 5%. If the Maxxon Gyp-Crete 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 Gyp-Crete Basic underlayment cannot be used as a wear surface.

FLOOR COVERING CONSIDERATIONS

Floor goods can be installed once Maxxon Gyp-Crete 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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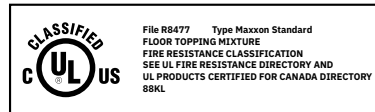
STORAGE AND DISPOSAL

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



Maxxon Corporation

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 maxxon-corporation

JOB NAME: _____

DATE: _____

APPLICATOR: _____

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