

PRODUCT DESCRIPTION

Maxxon[®] Commercial Low Density Fill[™] is an innovative, ultra-lightweight product made from proprietary cement and lightweight aggregate. It is easy to place and transition. Maxxon Commercial Low Density Fill can be poured over electrical conduit and plumbing pipes. It is fast drying, regardless of thickness, and ready to be topped with a Maxxon[®] underlayment the next day.

WHERE TO USE

Application

Multifamily and light commercial wood frame and concrete construction as part of a subfloor system.

Subfloor

Interior wood, concrete.

FEATURES & BENEFITS

- Ideal for deep fill applications, such as trenches and significantly out-of-level areas
- Up to 80% lighter than concrete
- Can be sloped and has no thickness limitation
- 28-day dry density of 28-32 lbs./ft³ (449-513 kg/m³)
- Requires just 3/4" (19 mm) topping of a Maxxon[®] underlayment
- Fast drying - ready for topping the next day

PRODUCT INFORMATION

Compressive Strength (Modified ASTM C109)	Typical range of 200 - 500 psi (1.38 - 3.45 MPa)
Installation Depths	No thickness limitation
Dry Density	28-32 lb/ft ³ (449-513 kg/m ³)
Working Time:	10-30 minutes
Final Set	8-12 hours or Foot Traffic Ready: 6-12 hours
Coverage (per 40 lb. bag)	1/2" thickness: 36 ft ² (3.34 m ²) 1" thickness: 18 ft ² (1.67 m ²) 2" thickness: 9 ft ² (0.84 m ²) 3" thickness: 6 ft ² (0.56 m ²)
Fire Performance (ASTM E84)	Flame Spread – 0 Fuel Contribution – 0 Smoke Development – 0
Packaging	40 lb. (18.14 kg) bag



INSTALLATION

For all subfloors, 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 Low Density Fill has set, then provide adequate air movement by opening windows to hasten fill drying. Minimize direct sunlight during the pour and through the next 72 hours.

Follow Radiant Panel Association (RPA) recommendations at radiantprofessionalsalliance.org and turn off radiant heating systems 24 hours prior to and after pouring Maxxon Commercial Low Density Fill. 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. For best results, use a vacuum with a HEPA filter.

Wood subfloors must be primed with a Maxxon[®] floor primer prior to Maxxon Commercial Low Density Fill application.

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

Tools

- Mixing drum (15 gallon)
- 1 gallon measuring tool
- High-speed mixing drill (850 rpm)
- Jiffy Mixer (preferred) or egg-beater mixing paddle
- Gauge rake
- Smoother/spreader
- Non-metallic cleated shoes

INSTALLATION *Continued*

Fill Application

Maxxon Commercial Low Density Fill with a Maxxon underlayment topping is a two-day application procedure.

Day 1: Pumping/Pouring Maxxon Commercial Low Density Fill

Mixing

Mix 2.3–2.6 gal. (8.7-9.8 L) of water per 40 lb. (18.1 kg) bag of Maxxon Commercial Low Density Fill. Do not over water. Combine Maxxon Commercial Low Density Fill beaded powder and water using a high-speed mixer (850 rpm) with a Jiffy Mixer.

Maxxon Commercial Low Density Fill contains lightweight beads which can scatter with fast mixing before the cement is completely wetted. To minimize bead scatter, start with a moderate mixing speed and cover the barrel top with the empty cement bag.

Pump/Pour

Pump or pour Maxxon Commercial Low Density Fill onto primed subfloor. Immediately after placing Maxxon Commercial Low Density Fill, spread material using a suitable gauge rake adjusted to the desired thickness and follow with a suitable smoother.

For pumping instructions, please contact Maxxon Corporation.

Day 2: Topping Maxxon Commercial Low Density Fill with Maxxon Underlayment

Maxxon Commercial Low Density Fill is typically ready for foot traffic in 6–12 hours. Prior to topping Maxxon Commercial Low Density Fill with Maxxon underlayment, you must first prime with Maxxon[®] Multi-Use Acrylic Primer or Maxxon[®] Commercial Fortify[™] Primer. After primer dries, install Maxxon underlayment at a minimum of 3/4" (19 mm). Refer to the corresponding literature on Maxxon.com for more information.

LIMITATIONS

For questions regarding these limitations or for applications other than those described herein, contact Maxxon Corporation at (800) 238-8461.

1. For interior use only. If Maxxon Commercial Low Density Fill will be installed prior to doors and windows, contact Maxxon Corporation.
2. For on or below grade applications, contact Maxxon Corporation.
3. Maxxon Commercial Low Density Fill is not intended to bond to wet subfloors. It is not a vapor or moisture barrier. Never install a moisture barrier product over Maxxon Commercial Low Density Fill. Do not use where this product 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 Maxxon Commercial Low Density Fill 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 Commercial Low Density Fill 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 the subfloor 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.
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 Commercial Low Density Fill 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.

LIMITATIONS *Continued*

11. Respect active control joints. Always ensure such joints are honored completely through Maxxon Commercial Low Density Fill. 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 6-12 hours.
13. Maxxon Commercial Low Density Fill must be capped with Maxxon underlayment. Maxxon underlayment can be installed the next day, then 24 hours after the installation of Maxxon Commercial Low Density Fill, trade traffic may resume. After trades resume, Maxxon underlayments may be exposed to rolling dynamic loads. To limit damage where Maxxon underlayments will be subjected to heavy wheeled or concentrated loads, place temporary wood planking over Maxxon Underlayments.
14. Prior to floor-covering installation, a moisture test of the Maxxon underlayment topping over Maxxon Commercial Low Density Fill is highly recommended. When testing for dryness, use ASTM F2659. The moisture content should not exceed 5%. If the Maxxon underlayment pour is greater than 2" (51 mm), test using ASTM F2170. The 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 Commercial Low Density Fill cannot be used as part of a wear surface system.

FLOOR COVERING CONSIDERATIONS

Floor goods can be installed once the Maxxon 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.



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JOB NAME: _____

DATE: _____

APPLICATOR: _____

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