INSTALLATION GUIDE

Maxxon® Commercial Level EZ™ + Fibers

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 Level EZ + Fibers 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 Level EZ + Fibers.

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. For best results, use a vacuum with a HEPA filter.

Level EZ + Fibers can be installed over wood subfloors at a minimum depth of ⅜". Wood subfloors must be primed with Maxxon floor primer prior to installation of Level EZ + Fibers. **All subfloors must meet the maximum deflection criteria of L/360.**

Concrete Subfloor Preparation

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

All concrete subfloors should be tested for moisture prior to pouring Maxxon Commercial Level EZ + Fibers (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 Level EZ + Fibers. See the Maxxon® Commercial Multi-Use Acrylic Primer TDS at Maxxon.com for more information.

Gypsum Subfloor Preparation

Gypsum subfloors must be structurally sound. The gypsum subfloor surface must be clean and free of dust and contaminants. For best results, use a vacuum with a HEPA filter. Remove any parts of the gypsum subfloor that has de-bonded.

For resurfacing of hard, well bonded gypsum underlayment, use Maxxon Commercial Multi-Use Acrylic Primer. For repair of damaged or dusty old underlayments, we recommend priming the gypsum subfloor and exposed edges with Maxxon® Commercial Fortify™ Primer. See Maxxon Commercial Fortify Primer TDS at Maxxon.com for more information.

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

Adhesive Residue Preparation

All 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 concrete or gypsum. 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. If adhesive residue is not well-bonded to the concrete or gypsum, or is brittle, powdery or otherwise weak, it must be completely removed down to clean, sound, solid concrete or gypsum. Once residue removal is complete, follow specific subfloor-type preparation as shown above.

Tools Needed

- Mixing barrel (15 gallon)
- 1 gallon measuring tool
- High-speed mixing drill (850 rpm) with Jiffy (preferred) or egg-beater mixing paddle
- Gauge rake
- Smoother/spreader
- Non-metallic cleated shoes
- 6" x 6" welded wire mesh (for installations over wood subfloor)

Revised: 2026-04-28

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Mixing

Using a 15-gallon mixing barrel, combine Maxxon Commercial Level EZ + Fibers powder and 4.5 to 5.0 qts of water using a high-speed mixer (850 rpm) with a Jiffy-type mixing paddle. Note — water must be added to mixing barrel first, then mix in powder. If needed, increase water to no more than 5.25 total qts per 50 lb bag. A typical mix consists of two bags of Maxxon Commercial Level EZ+ Fibers powder with the correct amount of water per bag. Mix to a homogenous, lump-free consistency for approximately 2.5 minutes. Do not overmix. Overmixing can cause air entrainment, which can shorten workability time and/or cause pinholes during application.

For pumping instructions, please contact Maxxon Corporation.

Application Over Existing Concrete or Gypsum

Pour Maxxon Commercial Level EZ + Fibers slurry from mixing barrel directly onto the primed floor. Immediately after placing Maxxon Commercial Level EZ + Fibers, spread the material using a gauge rake to assist in achieving the desired depth. Follow with a smoother to remove surface air bubbles.

Application Over Wood Subfloor

Pour Maxxon Commercial Level EZ + Fibers slurry from mixing barrel directly onto primed subfloor. Immediately after placing Maxxon Commercial Level EZ + Fibers, spread material using a gauge rake to assist in achieving the desired depth. Apply material to a minimum depth of ⅜". Follow with a smoother to remove surface air bubbles.

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. 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) 238-8461.

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 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 ft2 (92.9 m2)/24 hours or an RH greater than 80%, treat the concrete subfloor with Maxxon® Commercial MVP One 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.

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7. Do not clean the subfloor 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.
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.
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 Level EZ + Fibers is highly recommended. When testing the underlayment for dryness, use ASTM F2659. The moisture content should not exceed 5%. 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 Level EZ + Fibers can be used as part of a wear surface system with a tested protective coating system. Coating systems must be tested for adhesion to Maxxon Commercial Level EZ + Fibers. The bond test and performance of coatings is the responsibility of the coating manufacturer and/or installing contractor.

Floor Covering Considerations

Dry times are a function of job site conditions and are impacted by site temperature and ventilation. Floor goods can be installed when Maxxon Commercial Level EZ + Fibers passes moisture testing as recommended by the floor overing manufacturer. At depths up to ½", moisture insensitive flooring such as ceramic tile can typically be installed in about 16 hours, and most other floor coverings can be installed in about 24 hours. Deeper pours will require longer dry times.

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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