

# Maxxon® Commercial Skim Fill

## Installation

Building interior and floor should be maintained above 50 °F (10 °C) for at least 24 hours prior to installation and until Maxxon Commercial Skim Fill has set. Concrete and cementitious substrates must be fully cured and free of any hydrostatic pressure. Maxxon Commercial Skim Fill can be installed over wet slabs up to 100 % RH. This product is not a moisture vapor barrier. If substrate moisture vapor emissions exceed the maximum allowed by the flooring manufacturer, then moisture mitigation must be applied prior to application of Skim Fill. To reduce moisture vapor emissions to an acceptable level, use Maxxon Commercial Isolate, Maxxon Commercial MVP One or Maxxon Commercial MVP Two (see technical data sheets for details). During installation of Maxxon Commercial Skim Fill, all control and expansion joints in the subfloor must be respected. Skim Fill will not repair or prevent movement in these situations and later movement in the subfloor will be apparent in the finished floor covering. Do not cover existing building expansion or control joints.

### 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 moisture testing is required by the floor covering manufacturer, concrete subfloors should be tested prior to applying Maxxon Commercial Skim Fill (see Limitation 3). Skim Fill application to concrete does not require priming.

### Wood Subfloor Preparation

Wood subfloors must be structurally sound and clean and free of dust and contaminants. For best results, use a vacuum with a HEPA filter. Skim Fill application to wood subfloors does not require priming.

### 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.

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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 prior to installation of Skim Fill with Maxxon® Commercial Fortify™ Primer. See Maxxon Commercial Fortify Primer TDS at Maxxon.com for more information.

### 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 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](http://www.rfci.com)) to remove thick areas and adhesive build-up. If adhesive residue is not well-bonded to the subfloor, it must be completely removed down to clean, sound, solid subfloor. Once residue removal is complete, follow specific subfloor-type preparation as described above.

### Tools Needed

- Mixing bucket
- Measuring cup
- Low speed mixing drill
- Stainless steel spatula
- Trowel

### Mixing

Combine Maxxon Commercial Skim Fill powder (20 lb. bag) and 4.5 quarts (4.25 L) of clean, cool water using a mixer at a low speed (do not exceed 300 rpm to prevent entraining air). Mix only as much Maxxon Commercial Skim Fill as can be used in a 15–20 minute time period. Mix to a homogenous, lump-free consistency for approximately 1–2 minutes. Do not over mix. Do not over water. For smaller batches, use a mixing ratio of 2 parts Maxxon Commercial Skim Fill to 1 part water by volume.

### Application

After mixing, immediately apply the Maxxon Commercial Skim Fill onto the substrate with a flat, steel trowel and finish to a

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flat surface with the required smoothness. Skim Fill has a 15 to 20 minute working time depending on the temperature. Working time is shortened with high temperatures. Any repairs greater than ½" (12 mm) in thickness may require two applications depending on the size of area being repaired. Allow the first application to set before applying the second. Do not overwork the product.

### Drying

Maxxon Commercial Skim Fill is fast drying and can tolerate foot traffic and installation of most floor covering materials in as little as 30 minutes, depending on thickness and substrate. Maxxon Commercial Skim Fill should be protected in hot, dry or windy conditions to avoid rapid water loss.

### 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.
2. Maxxon Commercial Skim Fill is not a vapor or moisture barrier. Never install a moisture vapor barrier product over Maxxon Commercial Skim Fill. Do not use where Maxxon Commercial Skim Fill will come in prolonged contact with, or repetitive exposure to water.
3. It is the responsibility of the general contractor to complete moisture testing before Maxxon Commercial Skim Fill is installed. If testing is necessary, use the methods specified by the flooring manufacturer, typically ASTM F710. If slab moisture exceeds the floor covering manufacturer specifications treat the slab with Maxxon Commercial Isolate, 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.
4. Turn off radiant heating systems 24 hours prior to and after installation.

5. Do not clean 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.
6. For applications where organic adhesives, asphalt, coal-tar based adhesives and other oil-based contaminants are found, contact Maxxon for proper remediation methods.
7. Respect active control joints. Always ensure such joints are honored completely through Maxxon Commercial Skim 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.
8. Avoid walking on installed surface until after set.
9. Maxxon Commercial Skim Fill should not be used as a finished wear surface.

### Floor Covering Considerations

Floor goods can be installed once Maxxon Commercial Skim Fill passes any moisture testing specified by the floor covering installer. 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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