

PRODUCT DESCRIPTION

Maxxon® Commercial MVP One Moisture Vapor Barrier is a ready-to-use, zero-VOC moisture barrier and primer. When applied to concrete substrates, Maxxon Commercial MVP One mitigates moisture-related issues such as high MVER, RH, and pH. It also is an excellent primer for Maxxon® underlayments and patches. Maxxon Commercial MVP One is quick drying, allowing for rapid turnaround on fast-track projects.

WHERE TO USE

Application

Residential and commercial construction.

Subfloor

Interior concrete subfloors below, on or above grade

FEATURES & BENEFITS

- For use over concrete slabs up to 100% RH, 25 lbs (11.3 kg)/1000 ft² (92.9 m²) MVER and pH of 14
- Concrete profiling may not be required; unique formulation penetrates clean, porous concrete
- Ready-to-use; apply with roller
- Quick drying - underlayment or patch can be installed 30–60 minutes after second coat
- Zero VOC, water-based and non-toxic
- Less than 0.10 perm rating matching requirements of ASTM F3010 and ASTM E96
- Cost effective vs. traditional two-part epoxy systems

PRODUCT INFORMATION

MVER (ASTM F1869)	Up to 25 lbs (11.3 kg)/1000 ft ² (92.9 m ²)
RH (ASTM F2170)	Up to 100%
% Solid	25%
VOCs	0 g/L
Color	Milky white, dries clear
Dry Time	30–60 min. per coat*
Application Temperature	45–100 °F (7–38 °C)
Alkalinity Resistance	Pass (ASTM D1308-20)
Concrete Bond Strength	>250 psi (1.7 MPa)
Coverage	200–250 ft ² /gal (6.13 m ² /L) per two-coat system
Packaging	5-gallon (19 L) pail



INSTALLATION

Concrete Subfloor Preparation

Building interior and floor should be maintained between 45 °F (7 °C) and 100 °F (38 °C) for at least 24 hours prior to installation and until primer has dried. Turn off radiant heat systems 24 hours prior to and after installation.

Concrete surfaces must be absorbent, clean, dust-free, structurally sound and free of bond-breakers such as oil or grease, sealers or other contaminants that could prevent proper adhesion of the product (see Limitations).

Concrete must comply with all industry standards, including, but not limited to, American Concrete Institute's (ACI) Guide to Durable Concrete. Soft or chalky material must be mechanically removed until hard substrate is exposed.

Perform a water droplet test as described in ASTM F3191 – Standard Practice for Field Determination of Substrate Water Absorption (Porosity) for Substrates to Receive Resilient Flooring. Perform test in a sufficient number of areas throughout the project to determine suitable porosity for application. Place a dime sized water droplet on the substrate, if the water begins to be absorbed within 60 seconds it is porous. If the substrate is non-porous, open pore structure of the surface and re-test.

Cracks in the existing concrete subfloor must be inspected by a professional structural engineer to determine if the crack is static or dynamic. Repair all existing cracks in old and new concrete to minimize and control the floor underlayment. Note that repairing existing cracks in the concrete subfloor only subdues but does not completely prevent their ability to telegraph through floor underlayment.

Tools

- Tape measure
- Marking tape or chalk
- Stir stick
- 3/8" (10 mm) nap roller
- Paint tray
- Plastic bristle broom

Application

Maxxon Commercial MVP One is installed in a 2-coat application method to ensure adequate and uniform coverage of the concrete substrate. A gallon will typically cover 250 ft² (23.2 m²) in 2 coats. A 5 gallon bucket will cover 1,250 ft² (116.1 m²).

Mark off the installation in 500 ft² (46.5 m²) or 1,250 ft² (116.1 m²) sections depending on unit size to ensure proper coverage.

Maxxon Commercial MVP One is ready-to-use. Hand mix with a stir stick; do not use high-speed mixing methods.

INSTALLATION *Continued*

Cracks (not control joints) should be cleaned. Brush Maxxon Commercial MVP One into the crack and let dry. Fill in crack with a cementitious patch.

Apply Maxxon Commercial MVP One with a 3/8" (10 mm) nap roller at 250 ft²/gal (6.13 m²/L), areas profiled beyond a CSP 3 may require additional material. Do not pour material directly on subfloor; utilize a plastic paint tray or dip roller directly into bucket. Do not allow product to puddle and if necessary, utilize a plastic bristle broom to scrub material into substrate. Do not apply to rejection as this will increase dry time.

Apply first coat in a singular direction and allow to dry 30–60 minutes or until completely dry to the touch. Then apply second coat in a perpendicular direction (cross hatch) to the first coat. Allow second coat to dry to touch or approximately 30–60 minutes.

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. Do not dilute product.
3. Do not allow the product to freeze.
4. Do not use if ambient and/or concrete surface temperatures are below 45 °F (7 °C) or above 100 °F (38 °C).
5. For on or below grade applications, contact Maxxon Corporation.
6. 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. If the flooring manufacturer specifies more stringent moisture limitations or practices, they must be followed. Contact Maxxon Corporation for further information.
7. If desired, construct a mock-up to verify compatibility with finished flooring.
8. For use over subfloors containing asbestos, contact Maxxon Corporation.
9. 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.
10. For applications where organic adhesives, asphalt, coal-tar based adhesives and other oil-based contaminants are found, contact Maxxon for proper remediation methods.

LIMITATIONS *Continued*

11. Respect active expansion/control joints. Always ensure such joints are honored completely. Existing cracks in the new and old concrete must be repaired with an appropriate crack-repair material, such as S3 Surface Solutions Quickfill (contact Maxxon Corporation for purchasing), in accordance with industry standards and manufacturer's recommendation.
12. Product does not mitigate issues related to hydrostatic pressure.

UNDERLAYMENT CONSIDERATIONS

Once Maxxon Commercial MVP One is dry, poured underlayment or flooring installation can proceed per manufacturer's directions/requirements. Maxxon Commercial MVP One should be covered within 16–24 hours to ensure that primer does not become covered in construction dust or debris.

CLEAN-UP

Clean tools with soap and water immediately after use. Dispose of all materials in accordance with local, state, and federal regulations. Smaller quantities of left-over product can be disposed of with household waste. Refer to the Maxxon Commercial MVP One Primer SDS for additional information.

STORAGE AND DISPOSAL

Store in original sealed packaging in a cool, dry environment. Recommended storage temperature range of 65–90 °F (18–32 °C), keep from freezing. Dispose of contents and container in accordance with all applicable regulations. Unopened product shelf life is 12 months.

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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