

PRODUCT DESCRIPTION

Maxxon® Commercial ASR Barrier, is a spray applied surface treatment for concrete slabs suffering from Alkali Silica Reaction (ASR). Maxxon Commercial ASR Barrier blocks the formation of bond-breaking efflorescence on the slab's surface, extending the life of floor coverings. When combined with Maxxon Commercial Isolate, the barrier system not only protects the slab surface from efflorescence, it provides moisture mitigation up to 100% RH, up to 10 lbs MVER and pH ≤14.

A complete Maxxon Commercial floor system can be tailored to clean and treat old and new concrete slabs, add moisture control and facilitate hassle-free flooring installation.

WHERE TO USE

In conjunction with Maxxon® Commercial Profile on ASR concrete slabs

FEATURES & BENEFITS

- Inhibits formation of efflorescence and osmotic blistering
- Ready to use, spray applied
- Reduces maintenance and future flooring installation costs
- Allows direct placement of underlayments and coatings
- Retains concrete profile after installation

PRODUCT INFORMATION

VOC	0g/L
Color	White (dries clear)
Dry Time	30 min. to 2 hours
Application Temp	40–90 °F (4.4–32 °C)
Moisture Mitigation	up to 100% RH and 10 MVER of 10 lbs
pH	up to 14
Coverage	200–225 ft ² /gal (19–20.9 m ²)
Packaging	4 gallon (15.1 L) pail



INSTALLATION

Surface Preparation

All substrates must be clean, sound, and have minimum 250 psi tensile bond strength when tested per ASTM D4541. Be sure concrete is free from oil, grease, paint, or any contaminants that would act to prohibit adhesion. Do not apply to concrete that has hardeners, curing agents, or densifiers. If an existing coating or osmotic blistering is present, you must first grind the concrete. Follow with Maxxon® Commercial Profile ASR cleaning procedures. Contact Maxxon Corporation for instructions. Concrete must be porous, according to ASTM F3191 – Standard Practice for Field Determination of Substrate Water Absorption (Porosity) for Substrates to Receive Resilient Flooring.

If cracks greater than 1/8", chase the cracks to prepare them for treatment with ASR Barrier.

Application

Do not dilute Maxxon Commercial ASR Barrier. Apply with a low to medium pressure sprayer with a 0.24" - 0.31" fan tip spray nozzle. Ensure that the nozzle is clean so that the spray pattern is not interrupted. Work from side to side in a 50% overlapping pattern to ensure complete surface coverage. Surfaces should be well saturated, in accordance with the specified application rate of 200–225 ft²/gal (19–20.9 m²). Scrub with a light bristle brush to assist in product penetration. Do not allow Maxxon Commercial ASR Barrier to pool on the surface. If pooling occurs and is allowed to dry, grind the product from pooled areas and reapply.

Following application of ASR Barrier in cracks and control joints, fill the cracks with an approved crack filler. Contact Maxxon Corporation for installation procedures and approved products.

Underlayment Installation

For installation of an approved Maxxon underlayment Follow Maxxon's standard surface prep procedures and specific underlayment requirements. Prior to underlayment installation, apply two coats of Maxxon® Commercial Isolate. Refer to the Maxxon Commercial Isolate Technical Data Sheet for installation details. If moisture problems exist, installation of a moisture barrier is required. Contact Maxxon Corporation for installation instructions.

Coating Installation

Epoxy coatings can be installed directly over Maxxon Commercial ASR Barrier. Follow epoxy manufacturer guidelines.

LIMITATIONS

1. Do not dilute Maxxon Commercial ASR Barrier.
2. Maxxon Commercial ASR Barrier will NOT inhibit the formation of ASR within the concrete slab.
3. Maxxon Commercial ASR Barrier requires strict adherence to the surface preparation instructions and products stated above. Any deviation from these instructions will void the Maxxon Commercial warranty.
4. Maxxon Commercial ASR Barrier will not inhibit efflorescence from forming if installed over osmotic blisters. If osmotic blistering is present, grind the concrete slab to remove the blisters.
5. Use a low to medium pressure sprayer to prevent ASR Barrier from aerosolizing.
6. Do not let the product pool. Pooling will result if the product is not worked into the concrete slab and will render the product ineffective.

STORAGE AND DISPOSAL

Store in a cool (50–80 °F), dry area out of direct sunlight. Maxxon Commercial ASR Barrier must be kept in securely closed containers to prevent evaporation and contamination. Protect from freezing. Maxxon Commercial ASR Barrier that has frozen will not function as intended and should be discarded.

Maxxon Commercial ASR Barrier is fully biodegradable. Seek advice on local authority requirements before disposal. Spills should be contained and disposed of under the same requirements. Do not mix with other materials.

WARRANTY AND TECH SERVICES

For Maxxon Commercial warranty, project requires coordination with Maxxon Technical Service. Contact your Maxxon representative. Technical performance verification and service is available through Maxxon Corporation or Maxxon Regional Representative throughout North America.



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JOB NAME: _____

DATE: _____

APPLICATOR: _____

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