



AtlasMasland Moisture Sealer

AtlasMasland Moisture Sealer is an aqueous acrylic polymer that can be used on porous concrete substrates as a penetrating and film-forming sealer to protect against moisture readings up to 95% in-situ Relative Humidity (RH) and pH of 11.0. **AtlasMasland Moisture Sealer** is a non-flammable aqueous emulsion which dries to a hard film that is alkali and water-resistant. **AtlasMasland Moisture Sealer** contains MicroSept™ Antimicrobial System for exceptional resistance to mold and bacteria, and is Carpet & Rug Institute (CRI) Green Label Plus approved. As a concrete floor sealer, use to protect the flooring installation from high moisture and alkalinity. Prior to applying AtlasMasland Moisture Sealer, moisture testing of concrete slabs is required to be performed in strict accordance with the latest version of ASTM F2170 to determine in-situ RH. RH testing is the specified method of moisture testing due to the proven reliability of the test and the information it provides. Note: AtlasMasland Moisture Sealer is not guaranteed or recommended for use where hydrostatic pressure exists, and must not be used on below-grade substrates. Test procedures as well as substrate preparations must conform to applicable current CRI 104 and ASTM F710 guidelines. Concrete slabs must be constructed with a permanent moisture vapor retarder as described in Specification ASTM E1745 installed directly below the slab.

SUBSTRATE PREPARATION: The installation site must be acclimated with HVAC in operation. The floor and room temperature, as well as the **AtlasMasland Moisture Sealer**, should be between 65°–95° F, and the humidity between 40%–65% for 48 hours prior to, during, and after the testing and installation. Patching of substrate should be done following all manufacturers' application and curing instructions after applying **AtlasMasland Moisture Sealer**. Before applying AtlasMasland Moisture Sealer, the concrete substrate must be completely free of dust, dirt, paint, oil, curing or release agents (either topically applied or admixed into the concrete before it is poured), sealers, adhesives or anything that would prevent a proper bonding directly to the concrete. Excessively hard concrete surfaces may need to be abraded to achieve porosity.

AtlasMasland Moisture Sealer cannot be used if chemical or solvent cleaners or adhesive removers have been used. The concrete must also be tested for porosity by placing a quarter-sized bead of water on the surface to observe absorption. If the water is not absorbed within 15 minutes, do not proceed with the installation.

AtlasMasland Moisture Sealer cannot serve as a moisture barrier if applied over non-porous substrates, or over old adhesive residues. If old adhesive residue is present, it must be removed by sanding or bead-blasting to render the substrate surface porous. A bond test must be performed to test for absorption by rolling **AtlasMasland Moisture Sealer** over a 1–2 square feet test area. After the minimum 4 hour drying period, use a putty knife to test the surface. If the **AtlasMasland Moisture Sealer** can be scraped off, it has not penetrated sufficiently, and the substrate will require further sanding or sandblasting. **AtlasMasland Moisture Sealer** is not recommended for use in conjunction with polyurethane-based adhesives.

STOP: Due to the many additives being used in or on concrete slabs it is critical that the bond test be performed. Some treatments will repel any sealer or adhesive. If usage instructions are not completely followed, DO NOT USE THIS PRODUCT.

To help ensure proper adhesive bond for installations where a potential moisture vapor emission problem may exist, apply on porous concrete with a 3/8" nap roller as an even coat over the entire surface of the floor. Make certain to keep the application roller wet with material. Only one coat is required, at an application rate of 35–40 square yards per gallon. Allow to dry for a minimum of 4 hours, to the appearance of a clear film. To clean up while wet, use soapy water. Dry residues may require the use of a solvent remover. Containers must be kept tightly closed when not in use.

SHELF LIFE: 2 years from date of manufacture in properly stored unopened container

This product is not photo chemically reactive as defined by California Rules 102 and 443. VOC content is below that established by California SCAQMD Rule 1168.