

WARRANTY PROGRAMS FOR VAPORSOLVE™ MOISTURE REMEDIATION SYSTEMS PLATINUM TEN YEAR WARRANTY

STANDARD WARRANTY

If the standard warranty is selected, the product manufacturer guarantees that the products are free from manufacturing defects and comply with its published specifications. In the event that the buyer proves that the goods received do not conform to these specifications or were defectively manufactured, the buyer's remedies shall be limited to the repayment of the product purchase price. All consequential damages, including but not limited to installation labor, damage to the structure or contents of the structure are excluded.

PLATINUM TEN YEAR WARRANTY FOR NEW CONSTRUCTION

The Platinum Ten Year Warranty for new construction offers an extended product performance guarantee given by the product manufacturer, Arizona Polymer Flooring, to the building owner. The cost of the extended warranty is built into the price of the material purchased by the installation contractor for the moisture remediation project. It is reflected in the total contract price agreed upon between the installation contractor and the building owner.

When the Platinum 10 Year Warranty is chosen, the installation contractor must be a floor coating specialist with a minimum of five years of experience in the application of epoxy coating and flooring systems. **The installation contractor must be pre-approved by Arizona Polymer Flooring.** If the contractor has not been pre-approved, they must have an Arizona Polymer Flooring representative on site for the surface preparation and for the VaporSolve System installation. The presence of an Arizona Polymer Flooring representative on the job site does not relieve the installation contractor of the responsibility for meeting the manufacturer's application instructions. The installation contractor issues his own warranty to the building owner that surface preparation, product mixing and application thickness that meet the manufacturer's published specifications.

Under the Platinum 10 Year warranty, Arizona Polymer Flooring guarantees that its products are free from manufacturing defects and comply with its published specifications. In addition, Arizona Polymer Flooring guarantees that the moisture remediation system will protect subsequently applied flooring materials from moisture and/or alkalinity damage originating from the concrete flooring slab. **This guarantee is made regardless of the level of moisture in the concrete flooring slab.** This warranty shall be limited to repair of the affected areas only as determined by Arizona Polymer Flooring. Repair shall include removal of existing failed flooring material, reapplication of moisture remediation system and the installation of new flooring material. New flooring material shall be of the same type and value as the failed flooring material. Labor charges shall be reasonable, average for the industry and straight time. Removal and replacement of owner's equipment is not covered. Damages due to temporary loss of building's use are excluded. The length of the Platinum Warranty is 10 years from the date of substantial completion of the installation.

The Platinum 10 Year Warranty is only offered on New Construction and only if the concrete floor slab has been placed:

1. In accordance with American Concrete Institute ACI 302.2R Guide for Concrete Slabs that Receive Moisture-Sensitive Flooring Materials.
2. The concrete slab on grade shall be placed directly on a positive side moisture barrier that meets ASTM E1745 Standard Specification for Plastic Water Vapor Retarders Used in Contact with soil or Granular Fill Under Concrete Slabs; Class A
3. The positive side moisture barrier shall be installed per ASTM E1643 Standard Practice for Selection, Design, Installation, and Inspection of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs.
4. The concrete must be sound, durable and clean per ACI 201.2R Guide to Durable Concrete, with a water/cement ratio of 0.4 to 0.55 and minimum compressive strength of 3,500 psi.

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5. No concrete add-mixtures, additives or pozzolans containing salts of any kind are permitted and no sodium silicates, potassium silicates, lithium silicates or similar products used as curing agents or densifiers shall be allowed.

FIELD AND LABORATORY TESTING AS PART OF FAILURE ANALYSIS

In the event of a failure of VaporSolve™ Remediation System, field and laboratory analysis will be required to determine the cause of the failure. The laboratory chosen must have extensive experience in analyzing concrete moisture problems and remediation of problems. If the VaporSolve System failure has been proven, the costs for the testing shall be split equally between the manufacturer and application contractor, and the building owner will be reimbursed.

In the event of a failure of VaporSolve System, field and laboratory analysis will be required to determine the cause of the failure. The laboratory shall be Mineralogy, Inc., Tulsa, OK 74114, unless an alternative testing laboratory is agreed upon in writing by Arizona Polymer Flooring. The testing laboratory must have extensive experience in analyzing concrete moisture problems and remediation of problems. Costs for the initial testing shall be borne by the building owner. If the product is found to be inadequate, the test laboratory costs will be reimbursed to the building owner by the manufacturer. If it is an installation contractor error, such as, mis-ratioing the product mixing requirements, the installation contractor shall reimburse the building owner. Should the building owner wish to employ a secondary laboratory for additional testing, the owner shall be responsible for the cost.

Although these failure conditions are rare, the discovery testing listed below shall be done when a failure occurs:

1. **TENSILE BOND TEST** - ASTM D7234 Standard Test Method for Pull-Off Adhesion Strength of Coatings on Concrete Using Portable Pull-Off Adhesion Testers. It is done with a tensile pull tester which is designed to measure adhesive strength of the VaporSolve System and cohesive strength of the concrete floor slab. Failure to achieve and maintained an adhesive bond to the concrete floor slab usually means that the substrate is contaminated, or the VaporSolve System was mis-ratioed or the VaporSolve System material is defective. The number of tests is limited to the area where the failure occurred and shall be a minimum of three (3) tests and a minimum of one (1) test per each 1,000 sq. ft. or part thereof, afterwards. To satisfactorily pass the test, the test shall verify a minimum concrete tensile strength of 250 psi per ACI 503.6R, when tested per ASTM D7234.
2. Concrete cores shall be taken per ASTM C42 Standard Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete. Two concrete cores shall be taken for the first 1,000 square feet, an additional core for 1,000 square feet to 5,000 square feet, and an additional core for each additional 1,000 square feet to 5,000 square feet thereafter shall be taken.
 - a. ASTM C856 Standard Practice for Petrographic Examination of Hardened Concrete will detect alkali-aggregate reaction (AAR). There are two types of AAR:
 - Alkali-silica reaction (ASR), which involves various types of reactive silica (SiO₂) minerals
 - Alkali-carbonate reaction (ACR), which involves certain types of dolomitic rocks (CaMg(CO₃))
 - b. Fourier-transform infrared spectroscopy (FTIR) is a technique used to obtain an infrared spectrum of absorption or emission of a solid, liquid or gas and is tested per: ASTM Standard Practice for General Techniques for Obtaining Infrared Spectra for Qualitative Analysis, as modified by Mineralogy, Inc. Tulsa, OK 74114. (MIM: IR 0336: It is a modified FTIR method and it will detect the presence of organic contaminates, by substances and concentration.) Mineralogy test protocol, IR 0336 is a near surface of the concrete slab test. The test results can be helpful in determining the additional deep of surface removal required to remove the contamination.
 - c. Ion chromatography is capable of measuring concentrations of major anions chemicals, as modified by Mineralogy, Inc. Tulsa, OK 74114. (MIM: IC 0336: It is an enhanced Ion Chromatography serious of tests that are used to identify inorganic chemical contaminates and it

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will discern sodium, potassium, lithium, chloride, sulfate, as well as other, inorganic chemical contaminates.) Minerology test, IC 0336 is a near surface of the concrete slab test. To satisfactorily pass the test results shall confirm an absence of inorganic contaminates. The test result detecting lithium silicate, potassium silicate and sodium silicate will require the use of VaporSolve Ultra System (VaporSolve Primer and Vapor Solve 100).

- d. Surfaces to receive VaporSolve Basic System shall be shot blasted using a 50/50 blend of 280/330 shot. Floor shall be cross-hatched double blasted (North-South and East-West) to achieve an ICRI Guideline No. 310.2R Guide for Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, and Polymer Overlays, Concrete Surface Profile of CSP 3 to CSP4. Diamond grinding is acceptable only on the edges, transitions, penetration and tight areas where a shot blaster cannot fit. To pass the test, the surface profile will be checked for compliance against ICRI CSP samples of CSP 3.

Should the concrete be found to meet the Arizona Polymer Flooring requirements and the VaporSolve System failed due to moisture vapor transmission the costs of the agreed upon testing shall be reimbursed to the building owner by Arizona Polymer Flooring. The building owner agrees to provide free and unencumber access to Arizona Polymer Flooring, the installation contractor and the third-party testing representative for testing and if need be, for remediation, should a failure have occurred.

The Platinum 10 Year Warranty must be assigned at the commencement of the work by Arizona Polymer Flooring. The warranty does not cover the cost of incidental, removal and replacement of building owner's equipment or consequential damages should they occur.

NOTIFICATION

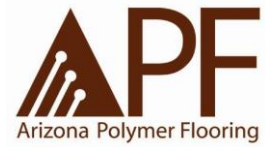
The building owner shall notify the manufacturer and the installation contractor immediately that the VaporSolve System is failing do the damage caused by the building owner or a third-party or failure of the materials or installation. **Arizona Polymer Flooring and the installation contractor shall be released from warranty obligations under any of the following conditions:**

PAYMENT

Invoices payable to the installation contractor and the product manufacturer relating to the moisture and alkali remediation project must be paid in full for the Platinum 10 Year Warranties to become effective.

LEGAL ACTION

Legal action that may arise out of this warranty shall take place in Phoenix, Arizona.



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**PLATINUM 10 YEAR WARRANTY AGREEMENT BETWEEN BUILDING OWNER, PRODUCT
MANUFACTURER AND APPLICATION CONTRACTOR**

Name of company purchasing warranty: _____

Job location: _____

Projected start date of application: _____

Moisture mitigation system chosen: _____

Total square feet of application: _____

Pre-Installation testing to be done: _____

ACCEPTANCE OF AGREEMENT

We, the undersigned product manufacturer, building owner and application contractor understand and agree to the terms of this warranty.

Product Manufacturer: Arizona Polymer Flooring

Company Officer's Signature: _____

Date: _____

Name of Company Purchasing Warranty: _____

Company Owner or Authorized Owner's Representative Signature: _____

Date: _____

Name of Installation Contractor: _____

Company Owner's Signature: _____

Date: _____

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