

# VaporSeal 309 System

Moisture vapor emission and alkalinity control system for new concrete slab and deck surfaces



## VaporSeal 309 System

The VaporSeal 309 System provides proper curing of all new concrete slab surfaces to ensure moisture levels comply with flooring manufacturers' requirements. This comprehensive curing treatment utilizes a modified resin compound spray-applied to freshly poured horizontal concrete surfaces to reduce water vapor emission levels for compliance with subsequent flooring materials.

VaporSeal 309 has a proven track record of cost-saving performance on tens of millions of square feet of concrete. Every aspect of the installation is monitored by Floor Seal Technology. Its proven application system utilizes meticulous, ongoing evaluation and testing of the surface and environment to control for variations in the slab, as well as changes in temperature, humidity and wind speed that can affect results. Design consultants specify systems, project engineers monitor and report on the work of related trades to eliminate deficiencies that could affect the project, and installation specialists oversee the system application and evaluate results.

## Benefits

- Faster and more economical than traditional moisture remediation processes
- Reduces time and cost of preparing floors damaged by shrinkage or cracking
- Compliant with ASTM C309 & C1315 Standards
- Free moisture and pH testing of all treated surfaces
- Remediation with MES 100 when required
- Guaranteed bonding and adhesion with no exclusions for silicates or other additives
- Guaranteed adhesion of floor covering, with no exclusions for concrete cracks, joints or improperly prepared substrates
- 10-year full-flooring system warranty provided by manufacturer and installer covers repair and/or replacement of the moisture mitigation system and subsequent floor covering, including associated labor costs



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- Preparation** . . . . . A weather monitoring device will be placed onsite for ongoing evaluation of temperature, humidity and wind speed.
- Installation** . . . . . Application with Hudson-style pump sprayer, in a single coat. Floor Seal Technology technician will conduct visual inspection to ensure all areas of the slab have received the correct application. Prior to installation of flooring, manufacturer will test for moisture and pH, and will mitigate any problem areas with MES 100.
- Coverage** . . . . . 100 - 700 ft<sup>2</sup> / gallon (approx. coverage rate for single uniform layer depending on temperature, relative humidity, wind speed and surface density)
- Solids Content** . . . . . >25%
- Drying Time** . . . . . 1 - 4 hours
- Wheel Traffic** . . . . . 4 hours
- Application** . . . . . 40 - 100° F ambient
- Color** . . . . . Dries clear
- Maintenance** . . . . . No additional application or maintenance of the curing compound is required prior to installation of floor covering.
- Compliance** . . . . . ACI 308R-01, ASTM C309, ASTM C1315
- LEED®** . . . . . May contribute to LEED® IEQc4.2. Contains 54g/L VOC.
- Guarantees** . . . . . Guaranteed adhesion of floor covering, with no exclusions for concrete cracks, joints or improperly prepared substrates. Floor Seal Technology will provide all necessary remediation to meet the approved limits, at no additional cost to the owner.
- Warranty** . . . . . 10-year manufacturer/installer combination warranty that substrate remains free from concrete vapor emission or alkalinity related floor failures; extended warranties available.



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