



**Speaker: Robert "Concrete Bob" Higgins  
Moisture Mob Capo Concrete Family**

**ABSTRACT:**

Flooring failures have worsened considerably since the implementation of ASTM F1869 and then mostly supplanted by ASTM F2170.

The worsening is mostly attributable to the false precept that moisture migrates from under a slab of concrete from the underlying soil.

In the majority of environments, this is a contradiction to the laws of thermodynamics where moisture moves from warm to cool, not cool to warm.

The false precept has led to moisture testing to be restricted to an acclimated environment, which is unnecessary and rife with site condition conflicts and interruption of construction schedules.

The NFCA developed a "Best Practices" for moisture testing that has reversed the trend towards increasing flooring failures, claims and litigation. I will cover the proper methodology that has essentially eliminated moisture claims for several installers and is now being adopted by an increasing number of manufacturers and professional installation groups.

**Concrete Bob Bio Sketch:**

Bob Higgins has expertise in moisture-related concrete issues, having been involved with waterproofing, technical committees, professional groups, lecturing, teaching, and construction defect litigation. Bob Higgins is equally involved in product and process development, having developed most of the products manufactured and marketed by his former company SINAK Corporation, as well as owning or co-owning patents for moisture testing.

Bob has authored articles in local and national publications, lectured in regional and national conventions. Bob has contributed to, used as an expert resource, or written over 100 papers involving moisture-related concrete issues including deterioration mechanisms, testing protocols, diagnosis, inspection, and repair. Presently Bob is the Chief Scientist Advanced Materials at VeroTouch,

**Construction Defect** - expert opinion and testimony

**Inspection - Before Installation:** How to rigorously evaluate, analyze and determine what-if steps may be needed prior to floor installation.

**When Problems Arise:** Determine what went wrong, why, and how to evaluate and analyze correctly and accurately; determining root-cause.

**Specifications** - Assisting in Architects/Engineers/Designers to develop sound concrete specifications for the ever-changing environmental restrictions and product changes.

**Professionally** - Bob has been involved with waterproofing since 1976 and has functioned as an expert in construction litigation since 1985. Bob was Vice President and Chemist/Product Development for SINAK Corporation for 30 years (1979-2009). In January of 2026, Bob took on the role of the Chief Scientist Advanced Materials at VeroTouch.

**For More Information:** [rcconsulting.higgins@gmail.com](mailto:rcconsulting.higgins@gmail.com)

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