



PKA CONSULTING SERVICES

CHEMISTRY, MATERIALS SCIENCE, AND CONSTRUCTION MATERIALS EXPERT

- Routinely Assess Performance Characteristics, Compatibility, and Durability of Materials when Applied to Various Substrates in Aggressive Service Environments
- Coatings Inspection and Consultation
- Flooring Finishes and Systems
- Concrete Integrity and Deterioration
- Steel Substrate and Corrosion Mechanisms
- Concrete Moisture Evaluations, Detrimental Interactions with associated adjacent Materials, and Remedial Moisture-Reduction and Vapor Retarder Systems
- Building Sciences, External Façade and Internal Components and Systems
- Decades Experience and Expertise at National Forensics Engineering Firm

COATINGS – INSPECTION, CONSULTANT, SPECIFICATIONS

- Coatings and Sealant Analysis and Consultation
- Coating Condition Survey and Assessment
- Maintenance and Repair Recommendations dependent on Aggressive Service Environment
- Coatings Inspection, Specifications, and Quality-Assurance/Quality-Control (QA/QC) Program (including surface preparation, coating application, and environmental conditions)

LABORATORY SERVICES / CHEMIST

- Independent Chemical Laboratory
- Chemist; Expert in Microscopical, Spectroscopical, Chemical, and Physical Studies of Materials and as-built Systems

FAILURE INVESTIGATION AND DOCUMENTATION

- Failure Investigation and Analysis
- Condition Survey, Sample Selection, and Documentation
- Field Testing and Site Documentation

FIELD TESTING AND ANALYSIS

- Extensive Field Testing Experience at Construction Projects and Engineering Sites
- Involving Assessment of Construction Materials and Products, including: Coatings, Sealants, Flooring Finishes, Cementitious and Metallic Substrates, Roofing, Waterproofing, and Historic Preservation and Restoration
- Involving Technical Tasks, including: Coatings Inspection and Consultation, Façade Evaluations, Cleaning Techniques, Interior Building Components, and Moisture Evaluations

SPECIFICATION, DESIGN, AND REHABILITATION

- Construction Documents, Specification/Design, Repair and Rehabilitation
- New Construction and Existing Assets
- Project Oversight and Inspection

WARRANTY AND LITIGATION SUPPORT

- Meetings, Correspondence, and Formal Technical Reports
- Warranty Enforcement Protocols and Documentation
- Litigation Mitigation and Support
- Expert Testimony based on Forensic Construction Investigation