



# KTA-Tator, Inc.

[www.kta.com](http://www.kta.com)

The KTA Coatings Consulting Group consists of Senior Consultants who are available to serve various key functions throughout the life of a project. This group consists of an impressive number of Professional Engineers, SSPC Certified Protective Coatings Specialists, NACE Certified Coatings Inspectors, chemists, and environmental specialists who perform consulting services for facilities ranging from water tanks to nuclear power plants. KTA also houses a nationally recognized, state-of-the-art testing and analytical laboratory.

**Why KTA?** KTA is an industry recognized, innovative leader in coatings consulting. KTA's consultants not only have decades of technical experience within the coatings industry but also actively participate in related professional societies, contribute technical articles, make presentations, and hold leadership positions on industry committees. This results in a knowledge base that is innovative, resourceful, and up-to-date.



## *Comprehensive Coatings Failure Analysis*

- ◆ Resolve questions on quality of surface preparation or coating application
- ◆ Determine the cause of coating failures
- ◆ Make coating repair or repainting recommendations
- ◆ Measure coating dry film thickness
- ◆ Examine coating continuity and integrity
- ◆ Evaluate underlying substrate for quality of cleaning
- ◆ Evaluate environmental degradation of the system
- ◆ Remove samples for laboratory analysis
- ◆ Prepare detailed report

## *Specification Preparation*

- ◆ Prepare/review coating specifications and work procedures
- ◆ Cover all aspects of the project from surface preparation/coating application through final film continuity/and project close-out
- ◆ Address regulatory requirements, containment and ventilation criteria, environmental and worker protection requirements and controls over the storage, handling, and disposal of hazardous waste



consulting

## ***Materials Selection***

- ◆ Select the proper surface preparation and coating systems for the service environment
- ◆ Conduct comprehensive study of surface preparation techniques including abrasive properties and performance

## ***Laboratory Services***

### ◆ ***Analytical Laboratory***

- Optical microscopes with photographic capability
- Scanning electron microscope with energy dispersive x-ray spectrometer
- Fourier transform infrared spectrometer
- Pyrolyzer-Gas Chromatograph-Mass Spectrometer
- Ion chromatograph
- Gel permeation chromatograph
- Atomic absorption spectrometer
- Differential scanning calorimeter
- Electrochemical impedance spectrometer

### ◆ ***Physical Laboratory***

- Walk-in abrasive blast cleaning room
- Conventional, airless, and high volume low pressure (HVLP) spray
- Semi-Automatic spray-pneumatically operated conventional, airless and HVLP spray equipment
- Freeze/thaw/immersion cycling equipment
- Salt fog cabinets
- QFog cabinets for cyclic corrosion testing
- Condensing humidity cabinets
- QUV cabinets for ultra violet light/condensation cycles
- Corrocells & Atlas cells for high temperature chemical resistance
- Testing of physical properties (impact resistance, abrasion, adhesion, flexibility, hardness, others)
- Cathodic disbondment
- Controlled environmental chambers
- Tinius-Olsen universal testing machine
- Slip properties of coatings
- Autoclave testing (High Pressure/Temperature)
- Slip Coefficient and Tension Creep Testing of coatings for faying surfaces



**K**TA-TATOR, INC. (KTA) is a consulting engineering firm headquartered in Pennsylvania specializing in structural coatings/corrosion-related products and services. Founded in 1949, KTA participates at every level of the design and construction coatings process, from specification writing to failure analysis. KTA currently has over 230 employees at its various locations including the largest staff of NACE trained field inspectors in the country. KTA also houses a nationally recognized, state-of-the-art laboratory and serves as a distributor for leading manufacturers and organizations throughout the world by stocking and selling a complete line of coatings and concrete inspection equipment.

***To learn more about the KTA Coatings Consulting Group,  
call 1-800-245-6379 or  
visit our website at [www.kta.com](http://www.kta.com).***