



• Consulting • Training • Expert Witness • Failure Analysis • Design Review • Corrosion Test • Inspection • Coatings • Materials • CP • >>>

Anodized Coatings

We provide customized training courses, expert witness and litigation support, consultancy and failure analysis services related to paints & metallic coatings including thermal spray metallizing, galvanizing, anodizing, chromating, phosphating, electroplating, electroless plating, mechanical plating, and sheradizing or diffusion coating.

- Selection of coatings and paints to meet your project requirements both onshore and offshore
- Review of technical specifications on your coatings related project to identify potential corrosion failures, compatibility and performance of coatings, and any clauses in the specification that may lead to potential dispute, arbitration or litigation between the contractors and and facility owners. Corrosion liability can be avoided through proper specifications.
- Coatings inspection and performance evaluation
- Quality assessment of anodized aluminium (anodic coatings), chromate and phosphate coatings
- Optimization of process parameters in coatings operations
- Trouble-shooting of process-related issues
- Measurements of impedance and or admittance (seal value) of anodized aluminum in accordance with relevant ASTM, BS and ISO standards
- Testing and equivalent circuit modeling of coatings with electrochemical impedance spectroscopy (EIS)
- Life prediction of paints & metallic coatings including thermal spray metallizing, galvanizing, anodizing, chromating, phosphating, electroplating, electroless plating, mechanical plating, and sheradizing
- Failure analysis of paints & metallic coatings including thermal spray metallizing, galvanizing, anodizing, chromating, phosphating, electroplating, electroless plating, mechanical plating, and sheradizing
- Expert witness and assistance in litigation and arbitration matters related to paints & metallic coatings including thermal spray metallizing, galvanizing, anodizing, chromating, phosphating, electroplating, electroless plating, mechanical plating, and sheradizing or diffusion coating.

Corrosion Courses Related to Anodic Coatings:

The following corrosion short courses are related to anodic coatings. They can be conducted at any time for you as in-house training, online or distance-learning courses.

- Electrochemical Processes in Metal Plating
- Electroplating for the Microelectronics and Semiconductor Industry
- Electrochemical Impedance Spectroscopy
 - Measurement, Modeling, Data Interpretation and Applications

- Protective Coatings: Inspection, Maintenance and Repair

Public courses, seminars and workshops are also conducted regularly. The schedule of corrosion courses offered to the public for the current year is available [here](#).