

The service life of a protective coating system represents the economic value of that system. QA/QC Inspection is employed as a tool to ensure proper installation of the system, helping to achieve this engineered service life. The life of a coating system on a steel or concrete substrate depends principally on the quality of the surface preparation, with an estimated **70%** of failures occurring due to inadequate surface preparation. The initial cost of surface preparation is recoverable in the form of increased service life of a coating that has been correctly installed as specified.

How it is performed



QA/QC inspections performed by Extrin Consultants ensure that works conducted on client assets are performed as per the applicable site specifications, Australian and International Standards and are in line with Industry best practice. Extrin have certified NACE and ACA Coating Inspectors with many years of experience in protective coating specification and installation. Extrin's Inspectors understand various types of coatings and are able to undertake third party site based inspection using both basic and advanced assessment techniques required to maintain quality control.

What Extrin Can Provide



Inspection of the prepared substrate to establish that:

- There are no fabrication related defects
- The specified degree of surface preparation is attained
- No visible contamination has occurred since preparation



Witnessing the correct mixing, thinning and application of coatings



Monitoring that the surface preparation and coating application are conducted under the correct environmental parameters.



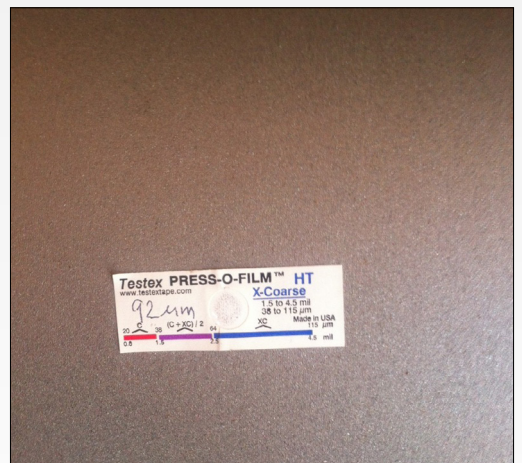
Performing any other task assigned by the specification (e.g.: holiday detection, adhesion testing, testing for hardness and degree of cure.



Measuring of coating thickness to ensure compliance with the specification



Recording data and documenting the above tasks, in both written and photographic form



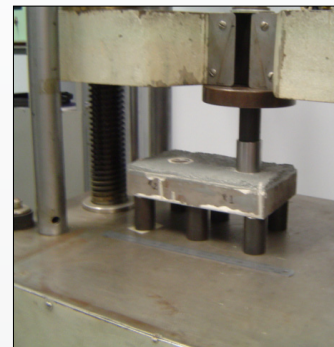


Asset/Infrastructure Assessment

- Corrosion Management Audit
- Asset Condition
- Failure Investigation
- Criticality Review

Analytical Services

- Water Analysis
- Corrosion Product Testing
- Metallurgical Testing
- Product Trials
- Concrete Testing



Microbial Investigation

- Site Inspections
- Analytical Testing Mechanism Determination
- Remediation

Cathodic Protection

- Complete System Design
- System inspections and testing
- Material Procurement
- Coordination of installation



Concrete Services

- Durability Assessments
- Mix Design Review
- Protective Coatings
- Refurbishment works
- Project Management

Corrosion Training Services

- Corrosion Awareness
- Corrosion Prevention
- Corrosion Detection
- Other Client-Specific Training Courses



Failure Analysis

- Failure Catalyst Analysis
- Review and Recommendations
- Asset inspection and testing

Design and Durability

- Durability Report
- Materials selection
- Concrete mix design
- Corrosion rate prediction
- Maintenance specifications



Visit our website for more information on our services and projects undertaken



“Consultants in Corrosion Management”

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