










Corrosion

The corrosion laboratory allows the manufacturing industry to optimize the performance of their industrial equipment and components, through an evaluation of the mechanical functions under different working conditions, corrosion resistance and the quality of coatings and paints. **This laboratory has ISO-9001-2000 certification as well as the certification by the Mexican Entity of Accreditation (Entidad Mexicana de Acreditación (ema)).**

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Services

-  Defects
-  Materials Substitution
-  Studies of Low Frequency Stress
-  Lifetime of Materials under Pressure
-  Application of Non-Destructive Techniques
-  Fracture Mechanics
-  Structural Integrity





Corrosion Tests

-  Electrochemical Monitoring
-  Reinforced Concrete Corrosion Tests
-  Cathodic Protection
-  Cyclonic-Saline Corrosion Chamber
-  Accelerated Weathering Chamber (QUV)
-  Assisted Stress Corrosion
-  Inhibitors Evaluation
-  Development and Applications of Coatings


















High Temperature Corrosion Studies

-  Monitoring of Metal Temperatures in Aggressive Environments
-  Monitoring in Industrial Settings
-  Ground Resistance (Four Points Method)
-  Corrosion in Industrial Settings

Contact us for handling instructions for sample reception.

Specialized Training in Corrosion

-  Corrosion Principals
-  Introduction to Electronics and Electrochemistry
-  Corrosion in High Temperature
-  Materials Issues in Thermoelectric Stations
-  Selection of Materials
-  Localized Corrosion
-  Cathodic Protection
-  Metallic and Non-Metallic Coatings
-  Failure Analysis
-  DC and AC Electrochemical Techniques
-  Basic Metallurgy
-  Thermic Treatments
-  Materials Properties
-  Corrosion by Mechanical Factors
-  Atmospheric Corrosion
-  Individualized Courses for the Needs of Productive Sectors