Corrosion-Related Standards
H.P. Hack and R. Baboian, Section Editors

AMERICAN PETROLEUM INSTITUTE (API)

Tubular Goods
RP 5L2  Internal Coating of Line Pipe for Non-Corrosive Gas Transmission Service
RP 5L7  Unprimed Internal Fusion Bonded Epoxy Coating of Line Pipe

Storage Tanks
RP 12R1  Setting, Maintenance, Inspection, Operation and Repair of Tanks in Production Service
RP 575  Inspection of Atmospheric & Low-Pressure Storage Tanks
RP 651  Cathodic Protection of Aboveground Storage Tanks
RP 652  Lining of Aboveground Petroleum Storage Tank Bottoms
Std 653  Tank Inspection, Repair, Alteration and Reconstruction
RP 1604  Closure of Underground Petroleum Storage Tanks
RP 1615  Installation of Underground Petroleum Storage Systems
RP 1631  Interior Lining of Underground Storage Tanks
RP 1632  Cathodic Protection of Underground Petroleum Storage Tanks and Piping Systems
Std 2610  Design, Construction, Operation, Maintenance & Inspection of Terminal and Tank Facilities

AMERICAN WATER WORKS ASSOCIATION (AWWA)

C203  Coal-Tar Protective Coatings and Linings for Steel Water Pipelines—Enamel and Tape—Hot Applied (Includes addendum C203a)
C205  Cement-Mortar Protective Lining and Coating for Steel Water Pipe—(100 mm) and Larger—Shop Applied
C209  Cold-Applied Tape Coatings for the Exterior of Special Sections, Connections, and Fittings for Steel Water Pipelines
C210  Liquid-Epoxy Coating Systems for the Interior and Exterior of Steel Water Pipelines
C213  Fusion-Bonded Epoxy Coating for the Interior and Exterior of Steel Water Pipelines
C214  Tape Coating Systems for the Exterior of Steel Water Pipelines
C218  Coating the Exterior of Aboveground Steel Water Pipelines and Fittings
C222  Polyurethane Coatings for the Interior and Exterior of Steel Water Pipelines and Fittings
D102  Coating Steel Water-Storage Tanks
D104  Automatically Controlled, Impressed-Current Cathodic Protection for Interior of Steel Water Tanks
D130  Flexible-Membrane-Lining and Floating-Cover Materials for Potable Water Storage

ASME INTERNATIONAL

B31G  Manual: Determining Remaining Strength of Corroded Pipelines: Supplement to B31 Code-Pressure Piping

ASTM INTERNATIONAL

Corrosion of Metals
A 262  Standard Practices for Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels
A 763  Standard Practices for Detecting Susceptibility to Intergranular Attack in Ferritic Stainless Steels
G 1  Standard Practice for Preparing, Cleaning, and Evaluating Corrosion Test Specimens
G 4  Standard Guide for Conducting Corrosion Coupon Tests in Field Applications
G 15  Standard Terminology Relating to Corrosion and Corrosion Testing
G 16  Standard Guide for Applying Statistics to Analysis of Corrosion Data

851
852  CORROSION TESTS AND STANDARDS MANUAL

G 31  Standard Practice for Laboratory Immersion Corrosion Testing of Metals
G 34  Standard Test Method for Exfoliation Corrosion Susceptibility in 2XXX and 7XXX Series Aluminum Alloys (EXCO Test)
G 44  Standard Practice for Exposure of Metals and Alloys by Alternate Immersion in Neutral 3.5% Sodium Chloride Solution
G 46  Standard Guide for Examination and Evaluation of Pitting Corrosion
G 48  Standard Test Methods for Pitting and Crevice Corrosion Resistance of Stainless Steels and Related Alloys by Use of Ferric Chloride Solution
G 52  Standard Practice for Exposing and Evaluating Metals and Alloys in Surface Seawater
G 54  Standard Practice for Simple Static Oxidation Testing
G 67  Standard Test Method for Determining the Susceptibility to Intergranular Corrosion of 5XXX Series Aluminum Alloys by Mass Loss After Exposure to Nitric Acid (NAMLT Test)
G 79  Standard Practice for Evaluation of Metals Exposed to Carburization Environments
G 109  Standard Test Method for Determining the Effects of Chemical Admixtures on the Corrosion of Embedded Steel Reinforcement in Concrete
G 111  Standard Guide for Corrosion Tests in High Temperature or High Pressure Environment, or Both
G 117  Standard Guide for Calculating and Reporting Measures of Precision Using Data from Interlaboratory Wear or Erosion Tests
G 135  Standard Guide for Computerized Exchange of Corrosion Data for Metals
G 142  Standard Test Method for Determination of Susceptibility of Metals to Embrittlement in Hydrogen Containing Environments at High Pressure, High Temperature, or Both
G 146  Standard Practice for Evaluation of Disbonding of Bimetallic Stainless Alloy/Steel Plate for Use in High-Pressure, High-Temperature Refinery Hydrogen Service
G 161  Standard Guide for Corrosion-Related Failure Analysis
G 170  Standard Guide for Evaluating and Qualifying Oilfield and Refining Corrosion Inhibitors in the Laboratory

Corrosion of Non-Metals

G 131  Standard Practice for Cleaning of Materials and Components by Ultrasonic Techniques
G 166  Standard Guide for Statistical Analysis of Service Life Data

Corrosion of Pipeline Coatings

G 6  Standard Test Method for Abrasion Resistance of Pipeline Coatings
G 8  Standard Test Methods for Cathodic Disbonding of Pipeline Coatings
G 9  Standard Test Method for Water Penetration into Pipeline Coatings
G 11  Standard Test Method for Effects of Outdoor Weathering on Pipeline Coatings
G 12  Standard Test Method for Nondestructive Measurement of Film Thickness of Pipeline Coatings on Steel
G 17  Standard Test Method for Penetration Resistance of Pipeline Coatings (Blunt Rod)
G 19  Standard Test Method for Disbonding Characteristics of Pipeline Coatings by Direct Soil Burial
G 20  Standard Test Method for Chemical Resistance of Pipeline Coatings
G 42  Standard Test Method for Cathodic Disbonding of Pipeline Coatings Subjected to Elevated Temperatures
G 62  Standard Test Methods for Holiday Detection in Pipeline Coatings
G 80  Standard Test Method for Specific Cathodic Disbonding of Pipeline Coatings
G 95  Standard Test Method for Cathodic Disbondment Test of Pipeline Coatings (Attached Cell Method)

Atmospheric Corrosion

B 117  Standard Practice for Operating Salt Spray (Fog) Apparatus
B 368  Standard Test Method for Copper-Accelerated Acetic Acid-Salt Spray (Fog) Testing (CASS Test)
CORROSION-RELATED STANDARDS

 organically Influenced Cracking

A 143 Standard Practice for Safeguarding Against Embrittlement of Hot-Dip Galvanized Structural Steel Products and Procedure for Detecting Embrittlement
B 577 Standard Test Methods for Detection of Cuprous Oxide (Hydrogen Embrittlement Susceptibility) in Copper
B 858 Standard Test Method for Determination of Susceptibility to Stress Corrosion Cracking in Copper Alloys Using an Ammonia Vapor Test
C 692 Standard Test Method for Evaluating the Influence of Thermal Insulations on External Stress Corrosion Cracking Tendency of Austenitic Stainless Steel
F 519 Standard Test Method for Mechanical Hydrogen Embrittlement Evaluation of Plating Processes and Service Environments
F 945 Standard Test Method for Stress-Corrosion of Titanium Alloys by Aircraft Engine Cleaning Materials
G 30 Standard Practice for Making and Using U-Bend Stress-Corrosion Test Specimens
G 35 Standard Practice for Determining the Susceptibility of Stainless Steels and Related Nickel-Chromium-Iron Alloys to Stress-Corrosion Cracking in Polythionic Acids
G 36 Standard Practice for Evaluating Stress-Corrosion-Cracking Resistance of Metals and Alloys in a Boiling Magnesium Chloride Solution
G 37 Standard Practice for Use of Mattson’s Solution of pH 7.2 to Evaluate the Stress-Corrosion Cracking Susceptibility of Copper-Zinc Alloys
G 38 Standard Practice for Making and Using C-Ring Stress-Corrosion Test Specimens
G 39 Standard Practice for Preparation and Use of Bent-Beam Stress-Corrosion Test Specimens
G 41 Standard Practice for Determining Cracking Susceptibility of Metals Exposed Under Stress to a Hot Salt Environment
G 47 Standard Test Method for Determining Susceptibility to Stress-Corrosion Cracking of 2XXX and 7XXX Aluminum Alloy Products
G 49 Standard Practice for Preparation and Use of Direct Tension Stress-Corrosion Test Specimens
G 58 Standard Practice for Preparation of Stress-Corrosion Test Specimens for Weldments
G 64 Standard Classification of Resistance to Stress-Corrosion Cracking of Heat-Treatable Aluminum Alloys
Standard Test Method for Performing Stress-Corrosion Cracking Resistance of Low Copper 7XXX Series Al-Zn-Mg-Cu Alloys in Boiling 6% Sodium Chloride Solution

Standard Test Method for Evaluating Stress-Corrosion Cracking of Stainless Alloys with Different Nickel Content in Boiling Acidified Sodium Chloride Solution

Standard Practice for Slow Strain Rate Testing to Evaluate the Susceptibility of Metallic Materials to Environmentally Assisted Cracking


Standard Practice for Evaluation of Hydrogen Uptake, Permeation, and Transport in Metals by an Electrochemical Technique

Standard Practice for Making and Using Precracked Double Beam Stress Corrosion Specimens

Wear and Abrasion


F 897 Standard Test Method for Measuring Fretting Corrosion of Osteosynthesis Plates and Screws


G 40 Standard Terminology Relating to Wear and Erosion

G 65 Standard Test Method for Measuring Abrasion Using the Dry Sand/Rubber Wheel Apparatus

G 73 Standard Practice for Liquid Impingement Erosion Testing

G 75 Standard Test Method for Determination of Slurry Abrasivity (Miller Number) and Slurry Abrasion Response of Materials (SAR Number)

G 76 Standard Test Method for Conducting Erosion Tests by Solid Particle Impingement Using Gas Jets

G 77 Standard Test Method for Conducting Erosion Tests by Solid Particle Impingement Using Gas Jets

G 83 Standard Test Method for Wear Testing with a Crossed-Cylinder Apparatus

G 98 Standard Test Method for Galvanic Resistance of Materials

G 99 Standard Test Method for Wear Testing with a Pin-on-Disk Apparatus

G 105 Standard Test Method for Conducting Wet Sand/Rubber Wheel Abrasion Tests

G 118 Standard Guide for Recommended Data Format of Wear Test Data Suitable for Databases

G 119 Standard Guide for Determining Synergism Between Wear and Corrosion

G 134 Standard Test Method for Erosion of Solid Materials by a Cavitating Liquid Jet

G 163 Standard Guide for Digital Data Acquisition in Wear and Friction Measurements

Soils


G 57 Standard Test Method for Field Measurement of Soil Resistivity Using the Wenner Four-Electrode Method

G 97 Standard Test Method for Laboratory Evaluation of Magnesium Sacrificial Anode Test Specimens for Underground Applications

G 158 Standard Guide for Three Methods of Assessing Buried Steel Tanks

G 160 Standard Practice for Evaluating Microbial Susceptibility of Nonmetallic Materials by Laboratory Soil Burial

G 162 Standard Practice for Conducting and Evaluating Laboratory Corrosion Tests in Soils

G 165 Standard Practice for Determining Rail-to-Earth Resistance

Electrochemical Testing

B 457 Standard Test Method for Measurement of Impedance of Anodic Coatings on Aluminum

G 3 Standard Practice for Conventions Applicable to Electrochemical Measurements in Corrosion Testing

G 5 Test Method for Making Potentiostatic and Potentiodynamic Anodic Polarization Measurements

G 59 Standard Practice for Conducting Potentiodynamic Polarization Resistance Measurements

G 61 Standard Test Method for Conducting Cyclic Potentiodynamic Polarization Measurements for Localized Corrosion Susceptibility of Iron-, Nickel-, or Cobalt-Based Alloys


G 96 Standard Guide for On-Line Monitoring of Corrosion in Plant Equipment (Electrical and Electrochemical Methods)
| Standard Test Method for Conducting Cyclic Galvanostaircase Polarization |
| Standard Practice for Calculation of Corrosion Rates and Related Information from Electrochemical Measurements |
| Standard Practice for Verification of Algorithm and Equipment for Electrochemical Impedance Measurements |
| Standard Test Method for Electrochemical Reactivation (EPR) for Detecting Sensitization of AISI Type 304 and 304L Stainless Steels Exposed to Chloride Environments |
| Standard Test Method for Electrochemical Critical Pitting Temperature Testing of Stainless Steels |

**Electrodeposited Coatings**

| Standard Test Method of Corrosion Testing of Decorative Electrodeposited Coatings by the Corrodkote Procedure |
| Standard Specification for Electrodeposited Coatings of Tin |
| Standard Specification for Electrodeposited Coatings of Tin-Nickel Alloy |
| Standard Specification for Electrodeposited Engineering Chromium Coatings on Ferrous Substrates |
| Standard Test Method for Seal Quality of Anodic Coatings on Aluminum by Acid Dissolution |
| Standard Specification for Electroplated Engineering Nickel Coatings |
| Standard Specification for Autocatalytic (Electroless) Nickel-Phosphorus Coatings on Metal |
| Standard Specification for Electrodeposited Copper for Engineering Uses |
| Standard Test Method for Porosity in Gold Coatings on Metal Substrates by Nitric Acid Vapor |
| Standard Test Method for Porosity in Gold Coatings on Metal Substrates by Paper Electrography |
| Standard Guide for Selection of Porosity Tests for Electrodeposits and Related Metallic Coatings |
| Standard Test Method for Porosity in Metallic Coatings by Humid Sulfur Vapor (“Flowers-of-Sulfur”) |

**Applications**

| Standard Practice for Cleaning, Descaling, and Passivation of Stainless Steel Parts, Equipment, and Systems |
| Standard Test Method for Mercurous Nitrate Test for Copper and Copper Alloys |
| Standard Specification for Cellulosic Fiber (Wood-Base) Loose-Fill Thermal Insulation |
| Standard Test Method for Half-Cell Potentials of Uncoated Reinforcing Steel in Concrete |
| Standard Test Method for Detection of Copper Corrosion from Petroleum Products by the Copper Strip Tarnish Test |
| Standard Test Method for Evaluating Degree of Rusting on Painted Steel Surfaces |
| Standard Test Method for Rust-Preventing Characteristics of Inhibited Mineral Oil in the Presence of Water |
| Standard Test Method for Copper Strip Corrosion by Industrial Aromatic Hydrocarbons |
| Standard Test Methods for Nonrigid Vinyl Chloride Polymer Tubing Used for Electrical Insulation |
| Standard Practice for Substitute Ocean Water |
| Standard Specification for Reagent Water |
| Standard Test Method for Total Immersion Corrosion Test for Soak Tank Metal Cleaners |
| Standard Test Method for Corrosion Test for Engine Coolants in Glassware |
| Standard Test Methods for Rubber O-Rings |
| Standard Test Method for Corrosion Produced by Leather in Contact with Metal |
| Standard Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments |
| Standard Test Method for Copper Strip Corrosion by Liquefied Petroleum (LP) Gases |
| Standard Practice for Testing Water Resistance of Coatings in 100 % Relative Humidity |
| Standard Test Method for Metal Corrosion by Halogenated Organic Solvents and Their Admixtures |
| Standard Test Method for Simulated Service Corrosion Testing of Engine Coolants |
| Standard Test Method for Corrosion Characteristics of Solid Film Lubricants |
| Standard Test Methods for Heat-Shrinkable Tubing for Electrical Use |
| Standard Test Method for Engine Coolants by Engine Dynamometer |
D 2847 Standard Practice for Testing Engine Coolants in Car and Light Truck Service
D 3263 Standard Test Methods for Corrosivity of Solvent Systems for Removing Water-Formed Deposits
D 3310 Standard Test Method for Determining Corrosivity of Adhesive Materials
D 3316 Standard Test Method for Stability of Perchloroethylene with Copper
D 3482 Standard Test Method for Determining Electrolytic Corrosion of Copper by Adhesives
D 3603 Standard Test Method for Rust-Preventing Characteristics of Steam Turbine Oil in the Presence of Water (Horizontal Disk Method)
D 4048 Standard Test Method for Detection of Copper Corrosion from Lubricating Grease
D 4627 Standard Test Method for Iron Chip Corrosion for Water-Dilutable Metalworking Fluids
E 712 Standard Practice for Laboratory Screening of Metallic Containment Materials for Use With Liquids in Solar Heating and Cooling Systems
E 937 Standard Test Method for Corrosion of Steel by Sprayed Fire-Resistant Material (SFRM) Applied to Structural Members
F 359 Standard Practice for Static Immersion Testing of Unstressed Materials in Nitrogen Tetroxide (N₂O₄)
F 482 Standard Test Method for Corrosion of Aircraft Metals by Total Immersion in Maintenance Chemicals
F 483 Standard Test Method for Total Immersion Corrosion Test for Aircraft Maintenance Chemicals
F 746 Standard Test Method for Pitting or Crevice Corrosion of Metallic Surgical Implant Materials
F 1089 Standard Test Method for Corrosion of Surgical Instruments
F 1110 Standard Test Method for Sandwich Corrosion Test

INTERNATIONAL ELECTROTECHNICAL COMMISSION (IEC)

60068-2-18 Environmental testing—Part 2—18: Tests—Test R and guidance: Water
60068-2-43 Environmental testing—Part 2: Tests—Test Kd: Hydrogen sulphide test for contacts and connections
60068-2-60 Environmental testing—Part 2: Tests—Test Kc: Flowing mixed gas corrosion test
60068-2-66 Environmental testing—Part 2: Test methods—Test Cs: Damp heat, steady state (unsaturated pressurized vapour)
60068-2-67 Environmental testing—Part 2: Tests—Test Cc: Damp heat, steady state, accelerated test primarily intended for components
60068-2-74 Environmental testing—Part 2: Test Xc: Fluid contamination
TR 60355 An appraisal of the problems of accelerated testing for atmospheric corrosion
60426 Test methods for determining electrolytic corrosion with insulating materials
60512-11-7 Electrochemical components for electronic equipment—Basic testing procedures and measuring methods—Part 11: Climatic tests—Section 7: Test 11g: Flowing mixed gas corrosion test
60512-11-14 Electrochemical components for electronic equipment—Basic testing procedures and measuring methods—Part 11: Climatic tests—Section 14: Test 11p: Flowing single gas corrosion test
60695-5-1 Fire hazard testing—Part 5: Assessment of potential corrosion damage by fire effluent—Section 1: General guidance
TR 60695-5-2 Fire hazard testing—Part 5: Assessment of potential corrosion damage by fire effluent—Section 2: Guidance on the selection and use of test methods

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION (ISO)

Coatings

1462 Metallic coatings—Coatings other than those anodic to the basis metal—Accelerated corrosion tests—Method for the evaluation of the results
3160-2 Watch cases and accessories—Gold alloy coverings—Part 2: Determination of fineness, thickness, corrosion resistance and adhesion
4536 Metallic and non-organic coatings on metallic substrates—Saline droplets corrosion test (SD test)
4538 Metallic coatings—Thioacetamide corrosion test (TAA test)
4539 Electrodeposited chromium coatings—Electrolytic corrosion testing (EC test)
4540 Metallic coatings—Coatings cathodic to the substrate—Rating of electroplated test specimens subjected to corrosion tests
4541 Metallic and other non-organic coatings—Corrodikote corrosion test (CORR test)
4542 Metallic and other non-organic coatings—General rules for stationary outdoor exposure corrosion tests
Metallic and other non-organic coatings—General rules for corrosion tests applicable for storage conditions

Paints and varnishes—Filiform corrosion test on steel

Paints and varnishes—Determination of resistance to filiform corrosion—Part 1: Steel substrates

Metallic and other non-organic coatings—Sulfur dioxide test with general consideration of moisture

Preparation of steel substrates before application of paints and related products—Tests for the assessment of surface cleanliness—Part 1: Field test for soluble iron corrosion products

Methods for corrosion testing of metallic and other inorganic coatings on metallic substrates—Rating of test specimens and manufactured articles subjected to corrosion tests

Paints and varnishes—Determination of resistance to cyclic corrosion conditions—Part 1: Wet (salt fog)/dry/humidity

Paints and varnishes—Determination of resistance to cyclic corrosion conditions—Part 2: Wet (salt fog)/dry/humidity/UV light

Paints and varnishes—Corrosion protection of steel structures by protective paint systems—Part 1: General introduction

Paints and varnishes—Corrosion protection of steel structures by protective paint systems—Part 2: Classification of environments

Paints and varnishes—Corrosion protection of steel structures by protective paint systems—Part 3: Design considerations

Paints and varnishes—Corrosion protection of steel structures by protective paint systems—Part 4: Types of surface and surface preparation

Paints and varnishes—Corrosion protection of steel structures by protective paint systems—Part 5: Protective paint systems

Paints and varnishes—Corrosion protection of steel structures by protective paint systems—Part 6: Laboratory performance test methods

Paints and varnishes—Corrosion protection of steel structures by protective paint systems—Part 7: Execution and supervision of paint work

Paints and varnishes—Corrosion protection of steel structures by protective paint systems—Part 8: Development of specifications for new work and maintenance

Metals and Alloys

Austenitic Stainless Steels—Determination of resistance to intergranular corrosion of stainless steels—Part 1: Austenitic and ferritic-austenitic (duplex) stainless steels—Corrosion test in nitric acid medium by measurement of loss in mass (Huey test)

Determination of resistance to intergranular corrosion of stainless steels—Part 2: Ferritic, austenitic and ferritic-austenitic (duplex) stainless steels—Corrosion test in media containing sulfuric acid

Corrosion of metals and alloys—Determination of dezincification resistance of brass

Copper alloys—Ammonia test for stress corrosion resistance

Corrosion tests in artificial atmosphere—General requirements

Corrosion of metals and alloys—Determination of bimetallic corrosion in outdoor exposure corrosion tests

Corrosion of metals and alloys—Stress corrosion testing—Part 1: General guidance on testing procedures

Corrosion of metals and alloys—Stress corrosion testing—Part 2: Preparation and use of bent-beam specimens

Corrosion of metals and alloys—Stress corrosion testing—Part 3: Preparation and use of U-bend specimens

Corrosion of metals and alloys—Stress corrosion testing—Part 4: Preparation and use of uniaxially loaded tension specimens

Corrosion of metals and alloys—Stress corrosion testing—Part 5: Preparation and use of C-ring specimens

Corrosion of metals and alloys—Stress corrosion testing—Part 6: Preparation and use of pre-cracked specimens

Corrosion of metals and alloys—Stress corrosion testing—Part 7: Slow strain rate testing

Corrosion of metals and alloys—Stress corrosion testing—Part 8: Preparation and use of specimens to evaluate weldments

Corrosion of metals and alloys—Basic terms and definitions

Corrosion of metals and alloys—Removal of corrosion products from corrosion test specimens

Metals and alloys—Atmospheric corrosion testing—General requirements for field tests

Anodized aluminium and aluminium alloys—Rating system for the evaluation of pitting corrosion—Chart method
Anodized aluminium and aluminium alloys—Rating system for the evaluation of pitting corrosion—Grid method

Corrosion of metals and alloys—Corrosivity of atmospheres—Classification

Corrosion of metals and alloys—Corrosivity of atmospheres—Guiding values for the corrosivity categories

Corrosion of metals and alloys—Corrosivity of atmospheres—Measurement of pollution

Corrosion of metals and alloys—Corrosivity of atmospheres—Determination of corrosion rate of standard specimens for the evaluation of corrosivity

Corrosion tests in artificial atmospheres—Salt spray tests

Nickel-based alloys—Determination of resistance to intergranular corrosion

Corrosion of aluminium alloys—Determination of resistance to stress corrosion cracking

Corrosion tests in artificial atmosphere at very low concentrations of polluting gas(es)

Corrosion of metals and alloys—Aqueous corrosion testing of zirconium alloys for use in nuclear power reactors

Corrosion of metals and alloys—Alternate immersion test in salt solution

Corrosion of metals and alloys—Guidelines for selection of protection methods against atmospheric corrosion

Corrosion of metals and alloys—Guidelines for exposing and evaluating metals and alloys in surface sea water

Corrosion of metals and alloys—Evaluation of pitting corrosion

Corrosion of metals and alloys—Corrosion tests in artificial atmosphere—Accelerated outdoor test by intermittent spraying of a salt solution (Scab test)

Corrosion of metals and alloys—Corrosion fatigue testing—Part 1: Cycles to failure testing

Corrosion of metals and alloys—Corrosion fatigue testing—Part 2: Crack propagation testing using precracked specimens

Corrosion of metals and alloys—General principles for corrosion testing

Corrosion of metals and alloys—Determination of resistance to intergranular corrosion of solution heat-treatable aluminium alloys

Corrosion of metals and alloys—Exfoliation corrosion testing of aluminium alloys

Corrosion-resistant cast steels for general applications

Protection against corrosion of iron and steel in structures—Zinc and aluminium coatings—Guidelines

Corrosion of metals and alloys—Accelerated testing involving cyclic exposure to salt mist, “dry” and “wet” conditions

Corrosion of metals and alloys—Evaluation of stress corrosion cracking by the drop evaporation test

Corrosion of metals and alloys—Corrosion in artificial atmosphere—Accelerated corrosion test involving exposure under controlled conditions of humidity cycling and intermittent spraying of salt solution

Petroleum products—Corrosiveness to copper—Copper strip test

Petroleum and related products—Determination of the corrosion resistance of water-containing fire-resistant fluids for hydraulic systems

Structural steels with improved atmospheric corrosion resistance

Liquefied petroleum gases—Corrosiveness to copper—Copper strip test

Road vehicles—Brake linings—Seizure to ferrous mating surface due to corrosion—Test procedure

Soft soldering fluxes—Test methods—Part 12: Steel tube corrosion test

Soft soldering fluxes—Test methods—Part 15: Copper corrosion test

Plain bearings—Testing of bearing metals—Resistance to corrosion by lubricants under static conditions

Plain bearings—Testing of bearing metals—Resistance to corrosion by lubricants under static conditions

Solar energy—Water heating systems—Guide to material selection with regard to internal corrosion

Dentistry—Determination of tarnish and corrosion of metals and alloys

Lubricants, industrial oils and related products (class L)—Family R (Products for temporary protection against corrosion)—Guidelines for establishing specifications

Surgical and dental hand instruments—Determination of resistance against autoclaving, corrosion and thermal exposure (available in English only)

Vitreous and porcelain enamels—Corrosion tests in closed systems

General

Standard Format for Computerized Electrochemical Polarization Curve Data Files

The Control of Corrosion Under Thermal Insulation and Fireproofing Materials—a Systems Approach
### CORROSION-RELATED STANDARDS

<table>
<thead>
<tr>
<th>Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RP0199</td>
<td>Installation of Stainless Chromium—Nickel Alloy Roll-Bonded and Explosion-Bonded Clad Plate in Air Pollution Control Equipment</td>
</tr>
<tr>
<td>RP0294</td>
<td>Design, Fabrication, and Inspection of Tanks for the Storage of Concentrated Sulfuric Acid and Oleum at Ambient Temperatures</td>
</tr>
<tr>
<td>RP0300</td>
<td>Pilot Scale Evaluation of Corrosion and Scale Control Additives for Open Re-circulating Cooling Water Systems</td>
</tr>
<tr>
<td>RP0390</td>
<td>Maintenance and Rehabilitation Considerations for Corrosion Control of Existing Steel-Reinforced Concrete Structures</td>
</tr>
<tr>
<td>RP0487</td>
<td>Considerations in the Selection and Evaluation of Rust Preventives and Vapor Corrosion Inhibitors for Interim (Temporary) Corrosion Protection</td>
</tr>
<tr>
<td>RP0497</td>
<td>Field Corrosion Evaluation Using Metallic Test Specimens</td>
</tr>
<tr>
<td>RP0590</td>
<td>Recommended Practice for Prevention, Detection, and Correction of Deaerator Cracking</td>
</tr>
<tr>
<td>RP0690</td>
<td>Standard Format for Collection and Compilation of Data for Computerized Material Corrosion Resistance Database Input</td>
</tr>
<tr>
<td>TM0193</td>
<td>Laboratory Corrosion Testing of Metals in Static Chemical Cleaning Solutions at Temperatures Below 93°C(200°F)</td>
</tr>
<tr>
<td>TM0299</td>
<td>Corrosion Control and Monitoring in Seawater Injection Systems</td>
</tr>
<tr>
<td>TM0397</td>
<td>Screening Tests for Evaluating the Effectiveness of Gypsum Scale Removers</td>
</tr>
<tr>
<td>TM0398</td>
<td>Laboratory Corrosion Testing of Metals in Static Cleaning Solutions at Temperatures Above 100°C (212°F)</td>
</tr>
<tr>
<td>TM0399</td>
<td>Test Method for Phosphonate in Brine</td>
</tr>
<tr>
<td>TM0498</td>
<td>Standard Test Method for Measuring the Carburization of Alloys for Ethylene Cracking Furnace Tubes</td>
</tr>
<tr>
<td>TM0499</td>
<td>Immersion Corrosion Testing of Ceramic Materials</td>
</tr>
</tbody>
</table>

#### Cathodic Protection

<table>
<thead>
<tr>
<th>Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RP0169</td>
<td>Control of External Corrosion on Underground or Submerged Metallic Piping Systems</td>
</tr>
<tr>
<td>RP0572</td>
<td>Design, Installation, Operation, and Maintenance of Impressed Current Deep Groundbeds</td>
</tr>
<tr>
<td>RP0174</td>
<td>Corrosion Control of Electric Underground Residential Distribution Systems</td>
</tr>
<tr>
<td>RP0575</td>
<td>Design, Installation, Operation, and Maintenance of Internal Cathodic Protection Systems in Oil Treating Vessels</td>
</tr>
<tr>
<td>RP0675</td>
<td>Control of Corrosion on Offshore Steel Pipelines</td>
</tr>
<tr>
<td>RP0176</td>
<td>Corrosion Control of Steel, Fixed Offshore Platforms Associated with Petroleum Production</td>
</tr>
<tr>
<td>RP0177</td>
<td>Mitigation of Alternating Current and Lightning Effects on Metallic Structures and Corrosion Control Systems</td>
</tr>
<tr>
<td>RP0180</td>
<td>Cathodic Protection of Pulp and Paper Mill Effluent Clarifiers</td>
</tr>
<tr>
<td>RP0285</td>
<td>Control of External Corrosion on Metallic Buried, Partially Buried, or Submerged Liquid Storage Systems</td>
</tr>
<tr>
<td>RP0186</td>
<td>Application of Cathodic Protection for Well Casings</td>
</tr>
<tr>
<td>RP0286</td>
<td>The Electrical Isolation of Cathodically Protected Pipelines</td>
</tr>
<tr>
<td>RP0387</td>
<td>Metallurgical and Inspection Requirements for Cast Sacrificial Anodes for Offshore Applications</td>
</tr>
<tr>
<td>RP0388</td>
<td>Impressed Current Cathodic Protection of Internal Submerged Surfaces of Steel Water Storage Tanks</td>
</tr>
<tr>
<td>RP0100</td>
<td>Cathodic Protection of Pre-stressed Concrete Cylinder Pipelines</td>
</tr>
<tr>
<td>RP0193</td>
<td>External Cathodic Protection of On-Grade Metallic Storage Tank Bottoms</td>
</tr>
<tr>
<td>RP0194</td>
<td>Criteria and Test Methods for Cathodic Protection of Lead Sheath Cable</td>
</tr>
<tr>
<td>RP0196</td>
<td>Galvanic Anode Cathodic Protection of Internal Submerged Surfaces of Steel Water Storage Tanks</td>
</tr>
<tr>
<td>RP0492</td>
<td>Metallurgical and Inspection Requirements for Offshore Pipeline Bracelet Anodes</td>
</tr>
<tr>
<td>RP0572</td>
<td>Design, Installation, Operation and Maintenance of Impressed Current Deep Groundbeds</td>
</tr>
<tr>
<td>RP0575</td>
<td>Internal Cathodic Protection Systems in Oil-Treating Vessels</td>
</tr>
<tr>
<td>TM0294</td>
<td>Testing of Embeddable Anodes for Use in Cathodic Protection of Atmospherically Exposed Steel-Reinforced Concrete</td>
</tr>
<tr>
<td>TM0497</td>
<td>Measurement Techniques Related to Criteria for Cathodic Protection on Underground or Submerged Metallic Piping Systems</td>
</tr>
</tbody>
</table>

#### Oil Production

<table>
<thead>
<tr>
<th>Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MR0174</td>
<td>Recommendations for Selecting Inhibitors for Use as Sucker Rod Thread Lubricants</td>
</tr>
<tr>
<td>MR0175</td>
<td>Sulfide Stress Cracking Resistant Metallic Materials for Oil Field Equipment</td>
</tr>
<tr>
<td>MR0176</td>
<td>Metallic Materials for Sucker Rod Pumps for Hydrogen Sulfide Environments</td>
</tr>
<tr>
<td>RP0175</td>
<td>Control of Internal Corrosion in Steel Pipelines and Piping Systems</td>
</tr>
<tr>
<td>RP0181</td>
<td>Liquid Applied Internal Protective Linings and Coatings for Oil Field Production Equipment</td>
</tr>
</tbody>
</table>
RP0273 Handling and Proper Usage of Inhibited Oilfield Acids (API Bulletin D-15) (Joint API-NACE Project)
RP0278 Design and Operation of Stripping Columns for Removal of Oxygen from Water
RP0475 Selection of Metallic Materials to be Used in All Phases of Water Handling for Injection into Oil Bearing Formations
RP0775 Preparation and Installation of Corrosion Coupons and Interpretation of Test Data in Oil Production Practice
RP0191 The Application of Internal Plastic Coatings for Oilfield Tubular Goods and Accessories
RP0192 Monitoring Corrosion in Oil and Gas Production with Iron Counts
RP0291 Care, Handling, and Installation of Internal Plastic Coatings for Oilfield Tubular Goods and Accessories
RP0296 Guidelines for Detection, Repair and Mitigation of Cracking of Existing Petroleum Refinery Pressure Vessels in Wet H₂S Environments
RP0472 Methods and Controls to Prevent In-Service Environmental Cracking of Carbon Steel Weldments in Corrosive Petroleum Refining Environments
RP0475 Selection of Metallic Materials to be Used in all Phases of Water Handling for Injection into Oil-Bearing Formations
RP0491 Worksheet for the Selection of Oilfield Non-metallic Seal Systems
TM0173 Methods for Determining Water Quality for Subsurface Injection Using Membrane Filters
TM0177 Testing of Metals for Resistance to Sulfide Stress Cracking at Ambient Temperatures
TM0187 Evaluating Elastomeric Materials in Sour Gas Environments
TM0275 Performance Testing of Sucker Rods by the Mixed String, Alternate Rod Method
TM0284 Evaluation of Pipeline Steels for Resistance to Stepwise Cracking
TM0374 Laboratory Screening Tests to Determine the Ability of Scale Inhibitors to Prevent Precipitation of CaSO₄ and CaCO₃ from Solution
TM0194 Field Monitoring of Bacterial Growth in Oilfield Systems
TM0197 Laboratory Screening Test to Determine the Ability of Scale Inhibitors to Prevent the Precipitation of Barium Sulfate and/or Strontium Sulfate from Solution (For Oil and Gas Production Systems)
TM0198 Slow Strain Rate Test Method for Screening Corrosion-Resistant Alloys (CRAs) for Stress Corrosion Cracking in Sour Oilfield Service
TM0296 Evaluating Elastomeric Materials in Sour Liquid Environments
TM0298 Evaluating the Compatibility of FRP Pipe and Tubulars with Oilfield Environments

Process and Power Industries

RP0170 Protection of Austenitic Stainless Steel from Polythionic Acid Stress Corrosion Cracking During Shutdown of Refinery Equipment
RP0173 Collection and Identification of Corrosion Products
RP0182 Initial Conditioning of Cooling Water Equipment
RP0189 On-Line Monitoring of Cooling Waters
RP0472 Methods and Controls to Prevent In-Service Cracking of Carbon Steel (P-1) Welds in Corrosive Petroleum Refining Environments
RP0292 Installation of Thin Metallic Wallpaper Lining in Air Pollution Control and Other Process Equipment
TM0169 Laboratory Corrosion Testing of Metals for the Process Industries
TM0171 Autoclave Corrosion Testing of Metals for the Process Industries
TM0274 Dynamic Corrosion Testing of Metals in High Temperature Water
TM0286 Cooling Water Test Units Incorporating Heat Transfer Surfaces
TM0199 Standard Test Method for Measuring Deposit Mass Loading (Deposit Weight Density) Values for Boiler Tubes by the Glass-Bead-Blasting Technique

Pipeline Coatings

MR0274 Material Requirements in Prefabricated Plastic Films for Pipeline Coatings
RP0185 Extruded Polyolefin Resin Coating Systems for Underground or Submerged Pipe
RP0274 High Voltage Electrical Inspection of Pipeline Coatings Prior to Installation
RP0275 Application of Organic Coating to the External Surface of Steel Pipe for Underground Service
RP0276 Extruded Mastic Type Protective Coatings for Underground Pipelines
RP0375 Application and Handling of Wax-Type Protective Coatings and Wrapper Systems for Underground Pipelines
RP0190 External Protective Coatings for Joints, Fittings and Valves on Metallic Underground or Submerged Pipelines and Piping Systems
RP0200 Steel-Cased Pipeline Practices
RP0375 Wax Coating Systems for Underground Piping Systems
CORROSION-RELATED STANDARDS 861

RP0490 Holiday Detection of Fusion-Bonded Epoxy External Pipeline Coatings of 250 to 760 microns (10 to 30 mils)
RP0492 Metallurgical and Inspection Requirements for Offshore Pipeline Bracelet Anodes

**Protective Coatings**

TM0174 Laboratory Methods for the Evaluation of Protective Coatings Used as Lining Materials in Immersion Service
TM0183 Evaluation of Internal Plastic Coatings for Corrosion Control
TM0184 Accelerated Test Procedures for Screening Atmospheric Surface Coating Systems for Offshore Platforms and Equipment
TM0185 Evaluation of Internal Plastic Coatings for Corrosion Control of Tubular Goods by Autoclave Testing
TM0186 Holiday Detection of Internal Tubular Coatings of 10 to 30 mils (0.25 to 0.76 mm) Dry Film Thickness
TM0384 Holiday Detection of Internal Tubular Coatings of Less Than 10 mils (0.25 mm) Dry Film Thickness
TM0192 Evaluating Elastomeric Materials in Carbon Dioxide Decompression Environments
TM0196 Chemical Resistance of Polymeric Materials by Periodic Evaluation
TM0297 Effects of High-Temperature High-Pressure Carbon Dioxide Decompression on Elastomeric Materials
RP0178 Design, Fabrication and Surface Finish of Metal Tanks and Vessels to be Lined for Chemical Immersion Service
RP0184 Repair of Lining Systems
RP0188 Discontinuity (Holiday) Testing of Protective Coatings
RP0281 Method for Conducting Coating (Paint) Panel Evaluation Testing in Atmospheric Exposure
RP0287 Field Measurement of Surface Profile of Abrasive Blast Cleaned Steel Surfaces Using a Replica Tape
RP0288 Inspection of Linings on Steel and Concrete
RP0372 Method for Lining Lease Production Tanks with Coal Tar Epoxy
RP0376 Monolithic Organic Corrosion Resistant Floor Surfacing
RP0386 Applications of a Coating System to Interior Surfaces of Covered Railroad Hopper Cars in Plastic, Food and Chemical Service
RP0487 Considerations in the Selection and Evaluation of Interim Petroleum-Based Coatings
RP0190 External Protective Coatings for Joints, Fittings, and Valves on Metallic Underground or Submerged Pipeline and Piping Systems
RP0297 Maintenance Painting of Electrical Substation Apparatus Including Flow Coating of Transformer Radiators
RP0295 Application of a Coating System to Interior Surfaces of New and Used Rail Tank Cars
RP0298 Sheet Rubber Linings for Abrasion and Corrosion Service
RP0394 Application, Performance and Quality Control of Paint-Applied, Fusion-Bonded Epoxy External Pipe Coating
RP0395 Fusion-Bonded Epoxy Coating of Steel Reinforcing Bars
RP0398 Recommendations for Training and Qualifying Personnel as Railcar Coating and Lining Inspectors
RP0399 Plant Applied, External Coal Tar Enamel Pipe Coating System: Application, Performance and Quality Control
RP0495 Guidelines for Qualifying Personnel as Abrasive Blasters and Coatings and Linings Applicators in the Rail Industries
RP0591 Coatings and Concrete Surfaces in Non-Immersion and Atmospheric Service
RP0592 Application of a Coating System to Interior Surfaces of New and Used Rail Tank Cars in Concentrated (90 to 98%) Sulfuric Acid Service
RP0692 Application of a Coating System to Exterior Surfaces of Steel Rail Cars

**SAE INTERNATIONAL**

J401 Selection and Use of Steels
J1434 Wrought Aluminum Applications Guidelines
J1562 Selection of Zinc and Zinc-Alloy (Hot-Dipped and Electrodeposited) Coated Steel Sheet
J1677 Tests and Procedures for SAE Low-Carbon Steel and Copper Nickel Tubing
J1755 Guidelines for Usage of Stainless Steel and Bimetal for Exterior Automotive Bright Trim
J2334 Cosmetic Corrosion Lab Test

**STEEL STRUCTURES PAINTING COUNCIL (SSPC)**

**Surface Preparation (SP)**

SP COM Surface Preparation Commentary for Steel and Concrete Substrates
SP 1 Solvent Cleaning
SP 2 Hand Tool Cleaning
862  CORROSION TESTS AND STANDARDS MANUAL

SP 3  Power Tool Cleaning
SP 5/NACE 1 White Metal Blast Cleaning
SP 6/NACE 3 Commercial Blast Cleaning
SP 7/NACE 4 Brush-Off Blast Cleaning
SP 8  Pickling
SP 10/NACE 2 Near-White Blast Cleaning
SP 11  Power Tool Cleaning to Bare Metal
SP 12/NACE 5 Surface Preparation and Cleaning of Steel and Other Hard Materials by High- and Ultrahigh-Pressure Water Jetting Prior to Recoating
SP 13/NACE 6 Surface Preparation of Concrete
SP 14/NACE 8 Industrial Blast Cleaning

Technology Reports (TR)
TR 1/NACE 6G194  Thermal Pre-Cleaning
TR 2/NACE 6G198  Wet Abrasive Blast Cleaning

Abrasives (AB)
AB 1  Mineral and Slag Abrasives
AB 2  Cleanliness of Recycled Ferrous Metallic Abrasives
AB 3  Newly Manufactured or Re-Manufactured Steel Abrasives

Painting Systems (PS) and Coating Systems (CS)
PS COM  Commentary on Painting Systems
PS Guide 1.00  Guide for Selecting Oil Base Painting Systems
PS 1.09  Three-Coat Oil Base Zinc Oxide Painting System (Without Lead or Chromate Pigment)
PS 1.10  Four-Coat Oil Base Zinc Oxide Painting System (Without Lead or Chromate Pigment)
PS 1.12  Three-Coat Oil Base Zinc Chromate Painting System
PS 1.13  One-Coat Oil Base Slow Drying Maintenance Painting System (Without Lead or Chromate Pigments)
PS Guide 2.00  Guide for Selecting Alkyd Painting Systems
PS Guide 3.00  Guide for Selecting Phenolic Painting Systems
PS Guide 4.00  Guide for Selecting Vinyl Painting Systems
PS 4.02  Four-Coat Vinyl Painting System (For Fresh Water, Chemical, and Corrosive Atmospheres)
PS 4.04  Four-Coat White or Colored Vinyl Painting System (For Fresh Water, Chemical, and Corrosive Atmospheres)
PS Guide 7.00  Guide for Selecting One-Coat Shop Painting Systems
PS Guide 8.00  Guide to Topcoating Zinc-Rich Primers
PS 9.01  Cold-Applied Asphalt Mastic Painting System with Extra-Thick Film
PS 10.01  Hot-Applied Coal Tar Enamel Painting System
PS 10.02  Cold-Applied Coal Tar Mastic Painting System
PS 11.01  Black (or Dark Red) Coal Tar Epoxy Polyamide Painting System
PS Guide 12.00  Guide to Selecting Zinc-Rich Coating Systems
PS 12.01  One-Coat Zinc-Rich Painting System
PS 13.01  Epoxy Polyamide Painting System
PS 14.01  Steel Joist Shop Painting System
PS Guide 15.00  Guide for Selecting Chlorinated Rubber Painting Systems
PS 15.01  Chlorinated Rubber Painting System for Salt Water Immersion
PS 15.02  Chlorinated Rubber Painting System for Fresh Water Immersion
PS 15.03  Chlorinated Rubber Painting System for Marine and Industrial Environments
PS 15.04  Chlorinated Rubber Painting System for Field Application Over a Shop-Applied Solvent Base Inorganic Zinc-Rich Primer
PS 16.01  Silicone Alkyd Painting System for New Steel
PS Guide 17.00  Guide for Selecting Urethane Painting Systems
PS 18.01  Three-Coat Latex Painting System
PS Guide 19.00  Guide for Selecting Painting Systems for Ship Bottoms
PS Guide 20.00  Guide for Selecting Painting Systems for Boottoppings
PS Guide 21.00  Guide for Selecting Painting Systems for Topsides
PS Guide 22.00  Guide for Selecting One-Coat Preconstruction or Prefabrication Painting Systems
CS 23.00(I)  Interim Specification for the Application of Thermal Spray Coatings (Metallizing) of Aluminum, Zinc, and Their Alloys and Composites for the Corrosion Protection of Steel
PS 24.00  Latex Painting System for Industrial and Marine Atmospheres, Performance-Based
### Paints and Coatings (PAINT)

<table>
<thead>
<tr>
<th>Paint</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paint COM</td>
<td>Commentary on Paint Specifications</td>
</tr>
<tr>
<td>Paint 5</td>
<td>Zinc Dust, Zinc Oxide, and Phenolic Varnish Paint</td>
</tr>
<tr>
<td>Paint 8</td>
<td>Aluminum Vinyl Paint</td>
</tr>
<tr>
<td>Paint 9</td>
<td>White (or Colored) Vinyl Paint</td>
</tr>
<tr>
<td>Paint 11</td>
<td>Red Iron Oxide, Zinc Chromate, Raw Linseed Oil, and Alkyd Primer</td>
</tr>
<tr>
<td>Paint 12</td>
<td>Cold-Applied Asphalt Mastic (Extra Thick Film)</td>
</tr>
<tr>
<td>Paint 15</td>
<td>Steel Joist Shop Primer</td>
</tr>
<tr>
<td>Paint 16</td>
<td>Coal Tar Epoxy-Polyamide Black (or Dark Red) Paint</td>
</tr>
<tr>
<td>Paint 17</td>
<td>Chlorinated Rubber Inhibitive Primer</td>
</tr>
<tr>
<td>Paint 18</td>
<td>Chlorinated Rubber Intermediate Coat Paint</td>
</tr>
<tr>
<td>Paint 19</td>
<td>Chlorinated Rubber Topcoat Paint</td>
</tr>
<tr>
<td>Paint 20</td>
<td>Zinc-Rich Primers (Type I, Inorganic, and Type II, Organic)</td>
</tr>
<tr>
<td>Paint 21</td>
<td>White or Colored Silicone Alkyd Paint</td>
</tr>
<tr>
<td>Paint 22</td>
<td>Epoxy-Polyamide Paints (Primer, Intermediate, and Topcoat)</td>
</tr>
<tr>
<td>Paint 23</td>
<td>Latex Primer for Steel Surfaces</td>
</tr>
<tr>
<td>Paint 24</td>
<td>Latex Semigloss Exterior Topcoat</td>
</tr>
<tr>
<td>Paint 25</td>
<td>Zinc Oxide, Alkyd, Linseed Oil Primer for Use Over Hand Cleaned Steel, Type I and Type II</td>
</tr>
<tr>
<td>Paint 25.1BCS</td>
<td>Zinc Oxide, Alkyd, Linseed Oil Primer for Use Over Blast Cleaned Steel</td>
</tr>
<tr>
<td>Paint 26</td>
<td>Slow Drying Linseed Oil Black Maintenance Primer, (Without Lead and Chromate Pigment)</td>
</tr>
<tr>
<td>Paint 27</td>
<td>Basic Zinc Chromate-Vinyl Butyral Wash Primer</td>
</tr>
<tr>
<td>Paint 28</td>
<td>Water-Borne Epoxy Primer for Steel Surfaces</td>
</tr>
<tr>
<td>Paint 29</td>
<td>Zinc Dust Sacrificial Primer, Performance-Based</td>
</tr>
<tr>
<td>Paint 30</td>
<td>Weld-Through Inorganic Zinc Primer</td>
</tr>
<tr>
<td>Paint 31</td>
<td>Single-Package Waterborne Alkyd Primer for Steel Surfaces, Performance-Based</td>
</tr>
<tr>
<td>Paint 32</td>
<td>Coal Tar Emulsion Coating</td>
</tr>
<tr>
<td>Paint 33</td>
<td>Coal Tar Mastic, Cold Applied</td>
</tr>
<tr>
<td>Paint 34</td>
<td>Water-Borne Epoxy Topcoat for Steel Surfaces</td>
</tr>
<tr>
<td>Paint 35</td>
<td>Medium Oil Alkyd Primer (Air Dry/Low Bake), Type I and Type II</td>
</tr>
<tr>
<td>Paint 36</td>
<td>Two-Component Weatherable Aliphatic Polyurethane Topcoat, Performance-Based</td>
</tr>
<tr>
<td>Paint 101</td>
<td>Aluminum Alkyd Paint (Type I, Leafing and Type II, Non-Leafing)</td>
</tr>
<tr>
<td>Paint 102</td>
<td>Black Alkyd Paint</td>
</tr>
<tr>
<td>Paint 103</td>
<td>Black Phenolic Paint</td>
</tr>
<tr>
<td>Paint 104</td>
<td>White or Tinted Alkyd Paint</td>
</tr>
<tr>
<td>Paint 106</td>
<td>Black Vinyl Paint</td>
</tr>
<tr>
<td>Paint 108</td>
<td>High-Build Thixotropic Leafing Aluminum Paint</td>
</tr>
</tbody>
</table>

### Paint Application (PA)

| PA COM | Commentary on Paint Application |
| PA 1 | Shop, Field, and Maintenance Painting of Steel |
| PA 2 | Measurement of Dry Coating Thickness with Magnetic Gages |
| PA Guide 3 | A Guide to Safety in Paint Application |
| PA Guide 4 | Guide to Maintenance Repainting with Oil Base or Alkyd Painting Systems |
| PA Guide 5 | Guide to Maintenance Painting Programs |

### Qualification Procedures (QP)

| QP COM | Commentary on Qualification Procedures |
| QP 1 | Standard Procedure for Evaluating Painting Contractors (Field Application to Complex Industrial Structures) |
| QP 2 | Standard Procedure for the Qualification of Painting Contractors (Field Removal of Hazardous Coatings from Complex Structures) |
| QP 3 | Standard Procedure for Evaluating Qualifications of Shop Painting Applicators |
| QP 4 | Standard Procedure for Evaluating the Qualifications of Contractors Disturbing Hazardous Coatings During Demolition and Repair Work |
| QP 5 | Standard Procedure for Evaluating Qualifications of Coating and Lining Inspection Companies |
Technology Guides (GUIDE)

Guide 9       Guide for Atmospheric Testing of Coatings in the Field
Guide 11      Guide for Coating Concrete
Guide 13      Guide for the Identification and Use of Industrial Coating Material in Computerized Product Databases

Test Panel Preparation Methods (ME)

ME 1          Uncontaminated Rusted Steel