

Corrosion & Exposure Testing

- UV & Xenon Weathering – ASTM D4587, ASTM G154, ASTM G151, SAE J2527, ISO 4892, ASTM G155, ASTM D7869
- Cyclic Corrosion – BMW- AA-0224, SAE J2334, GM9540P, GMW14872, GMW 14872 Option 6, HONDA CCT, Ford L-467, Nissan CCT, Tesla TP-0000808, Toyota TSH 1555G, Volvo 423-0014, Volkswagen PV 1210, others
- Salt Spray – ASTM B117, ISO 9227, GMW3286, Honda HES D6501, others
- Humidity – ASTM D1735, ASTM D2247, GMW14729, others
- CASS (Copper Accelerated) – ISO 9227
- Filiform Corrosion – ASTM D2803, Honda D6501, Daimler 49-00023
- Sulfur Dioxide (Kesternich) – ASTM G87, DIN 50018, ISO 6988
- ASTM G85 Annexes A1 through A5 – AASS, SWAAT, Prohesion, SO₂, etc.
- SCAB Corrosion – GM15288, IEEE C57 12.28 & 12.32, Daimler 49-00023, others
- Thermal Exposure – Hot/Cold; Heat & Quench
- Water Ingress and High-Pressure Water/Steam Spray – ISO 20653, IEC 60529, Volvo STD 423-0015

Mechanical & Metallurgical Testing

- Hydrogen Embrittlement – ASTM F519, 1a.1 test bars of your or our supply
- Hardness – Rockwell, Knoop, Vickers
- Contact Resistance – MIL-DTL-5541, MIL-DTL-81706
- Coefficient of Friction – ASTM D1894
- Car Wash Resistance – GMW 14865, Nissan NES M0007 Section 31
- Tension and Compression – ASTM D638, ASTM E8, ASTM D1002

Materials, Coating, & Plating Testing

- Thickness – ASTM B499, ASTM B568, ASTM B487, ISO 2808
- Taber Abrasion – ASTM D4060, MIL-PRF-8625
- Gravelometer Chip Resistance – SAE J400, GMW 14700, capacity for large parts
- Chemical Resistance – Acids, alkali, solvents, cleaners, disinfectants, fuels, etc.
- Mandrel Bend / Flexibility – ASTM D522, Honda, PACCAR, Daimler
- Color – ASTM D2244
- Gloss – ASTM D523, AAMA 2604/2605
- Distinctness of Image (DOI) – PACCAR CMT0033, Daimler 49-00023
- Coating Weight – MIL-DTL-16232, MIL-PRF-8625, ASTM A90
- Impact – ASTM D2794 direct and reverse; Gardner and DuPont methods
- Pencil Hardness – ASTM D3363, Ford, Honda, Toyota, ISO, etc.
- Adhesion Testing – ASTM D3359, ASTM D4541, ASTM B571, Wet Tape, Ford BI 107-05, ISO 2409

Technical Services

- Customized Test Design: Non-standard test protocols to match unique project requirements
- Heat Exchanger Circulation and Pressurization – ESKR3V-8005-AA, ESLK41-8D048-AA, Renault 31-07-004, others
- Forensic Failure Analysis: Post-test examination to help determine the cause of testing results
- Photographic Documentation: High-quality digital photographs to track testing progress and document results

Testing typically begins within 48 hours of receipt of samples and purchase order.

