ORDER FORM
EXPOSURES & EVALUATIONS

(See price list/catalog for pricing.)

■ BASIC INFORMATION
Contact Ref No.: ________________

Company: ______________________________________________________________
Address: _______________________________________________________________
City: ___________________________ State: ______ Zip: ______________
Contact Name: __________________ E-mail: __________________
Tel: ___________________________ Ext. ______ Fax: __________________
Specimen Type: _________________________________________________________
Ship to address (if different from above): ___________________________________

■ SPECIMEN IDENTIFICATION
(Use table below, or separate sheet of paper.)

<table>
<thead>
<tr>
<th>Specimen ID/Description</th>
<th>Number of Replicates</th>
<th>Size</th>
<th>Subdivisions (If Applicable)</th>
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■ COMPLETE EXPOSURE PACKAGES FOR WEATHERING & CORROSION
Q-Lab has put together a series of industry-specific testing packages to make it easy for you to get started in exposure testing. Each is a complete exposure testing program. See our catalog for a full description of each package. You can choose one of the pre-packaged exposure programs below, or design your own testing program from our list of individual services on the following pages.

<table>
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<tr>
<th>General Test Packages</th>
<th>Specific Test Packages</th>
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<tr>
<td>q Paint &amp; Coatings Package</td>
<td>q ASTM D5894 Combined Weathering/Corrosion</td>
</tr>
<tr>
<td>q 3D Parts Package</td>
<td>q AAMA 605.2 Architectural Aluminum Extrusions</td>
</tr>
<tr>
<td>q Industrial–Textile Package</td>
<td>q CHRYSLER LP463PB-34-01 Florida Weathering of Automotive Materials</td>
</tr>
<tr>
<td>q Indoor Lightfastness Package</td>
<td>q GM 9163P Florida Weathering / Automotive Mat.</td>
</tr>
<tr>
<td>q Q-Trac Package</td>
<td>q FORD FLTM B1 160-01 Florida Natural Weathering of Automotive Materials</td>
</tr>
<tr>
<td>q Custom-Designed Package 1 / Description:</td>
<td>q SAEJ1976 Natural Weathering / Automotive Mat.</td>
</tr>
<tr>
<td>q Custom-Designed Package 2 / Description:</td>
<td>q SAEJ576 Automotive Plastic Lens</td>
</tr>
<tr>
<td>q GM 4350M Paint Finishes</td>
<td></td>
</tr>
</tbody>
</table>
OUTDOOR EXPOSURE ORDER FORM
(Use this page to order specific outdoor exposure services.)

STANDARD / SPECIFICATION: ________________________________________________________
- Florida
- Arizona
- Ohio
- Minnesota
- Other: ______________________________________________________________

RETURN SCHEDULE:
- Monthly
- Quarterly
- Semi-Annual
- Annual
- Open-Ended
- Other: ______________________________________________________________

RETURN SCHEDULE:
- Monthly
- Quarterly
- Semi-Annual
- Annual
- Open-Ended

EXPOSURE METHOD:

Direct Exposures
- Direct Weathering
- Salt Spray
- Black Box
- In-Service Position
- Mildew Enhanced

Under Glass Exposures
- Under Glass (Standard)
- Under Glass (Black Box)
- Under Glass (Scaled)

Mounting Types
- Open
- Backed
- Mesh
- Coded Side to Sun
- Uncoded Side to Sun

Glass Type
- Window Glass (Single Strength)
- Auto Glass (Double Strength)
- Tinted Glass
- Laminated Glass

Orientation
- South Facing
- North Facing
- Tracking
- Other: ______________________

Angle of Exposure
- 45 Degrees
- 5 Degrees
- 90 Degrees
- 90 Degrees Offset Rack
- Latitude
- Variable
- Other: ________________

Q-Trac Natural Sunlight Concentrator
- Desert Cycle
- Spray—1 Cycle
- Spray—2 Cycle
- Freeze / Thaw
- Interior

SERVICES REQUESTED:

MASKING:
- Yes (initial)
- Scheduled
- No

SCRIBING:
- Describe Type: ______________________

Masking Schedule:
- Calendar
- Radiant Exposure
- Other

Masking Area:
- Standard
- Other: top bottom portion inches or cm

CLIPPIN G / CUTTING:
- Describe Type: ______________________

Clip Schedule:
- Monthly
- Quarterly
- Semi-Annual
- Annual

Other: Total MJ/m² Total MJ/m² of UV

FIELD RINSING:
- Monthly
- Other: ______________________

SPECIAL INSTRUCTIONS: ________________________________________________________

_____________________________________________________________________________

_____________________________________________________________________________

Does Specimen require further modification before exposure?
- Yes
- No
- Describe: ______________________

Is any specimen conditioning to be done before exposure?
- Yes
- No
- Describe: ______________________

Are unexposed file specimens included with test specimens?
- Yes
- No
- Describe: ______________________

Send all FLORIDA OUTDOOR Exposures to: . . . . . . . . . . . . . . . . . . . . . . . . . .
Q-Lab Weathering Research Service
1005 SW 18th Ave., Homestead, FL 33034
Tel. 305/245-5600 Fax: 305/245-5656

Send all ARIZONA OUTDOOR & Q-TRAC Exposures to: . . . . . . . . . . . . . . . . . . . .
Q-Lab Weathering Research Service
24742 West Durango St., Buckeye, AZ 85326
Tel. 623/386-5140 Fax: 623/386-5143

E-Mail: q-lab@q-lab.com
LABORATORY EXPOSURE ORDER FORM

(Please use this form to order all laboratory accelerated weathering and corrosion tests.)

All specimens submitted to Q-Lab for accelerated exposures should be ready for fitting into the standard frames of holders designed for that device or directly to the frame itself. If any modification is made to the specimen to make it fit the holder, or special mounting is required, a one-time charge will be assessed for this service.

**EXPOSURE PROCEDURE / SPECIFICATION:**

Device Type: ____________________________________________

- QUV Accelerated Weathering Tester
- Q-SUN Xenon Test Chamber
- Controlled Environment
- Q-Fog Cyclic Corrosion Tester
- QCT Condensing Humidity Cabinet
- Other ______________________

**ACCELERATED WEATHERING / LIGHTFASTNESS EXPOSURES:**

Light Source: ________________________ Irradiance Level: ____________________ Filters: ____________________

(Lamp Type) (Include Wavelength Range) (If Applicable)

Test Cycle: (Describe exact exposure conditions, including light and dark times, moisture/humidity cycle, and temperatures.)

____________________________________________________________________________________________________

____________________________________________________________________________________________________

____________________________________________________________________________________________________

**CORROSION & HUMIDITY EXPOSURES:**

Test Cycles:

- ASTM B117
- ASTM D2247
- ASTM D1735
- Prohesion
- GM9540P
- CCT-1
- CCT-4

Other: (Describe exact exposure conditions, including test cycle, temperature, and electrolyte solution.)

____________________________________________________________________________________________________

____________________________________________________________________________________________________

____________________________________________________________________________________________________

____________________________________________________________________________________________________

**TOTAL EXPOSURE TIME:** __________________________________________________________

**RELOCATION SEQUENCE:** (Specimen Rotation) __________________________________________

**SCHEDULED EVALUATIONS:** (Indicate schedule here only) ____________________________

**SPECIAL INSTRUCTIONS:**

____________________________________________________________________________________________________

____________________________________________________________________________________________________

____________________________________________________________________________________________________

Send all LABORATORY Exposures to: .......... Q-Lab Weathering Research Service
1005 SW 18th Ave., Homestead, FL 33034
Tel. 305/245-5600  Fax: 305/245-5656
E-Mail: q-lab@q-lab.com
SPECIMEN EVALUATIONS

**INSTRUMENTAL MEASUREMENTS:**

Unless otherwise instructed, Q-Lab will conduct instrumental appearance measurements on the washed portion of the test specimen. We recommend that all specimens be washed prior to measuring.

- **GLOSS:**    
  - Washed
  - Polished
  - Uncleaned

  Angle: 20 degrees  60 degrees  85 degrees

  Schedule:    
  - Calendar
  - Radiant Exposure
  - Hours

- **IMAGE CLARITY:**    
  - Washed
  - Polished
  - Uncleaned

  ____ Distinctness of Image  ____ Specular Reflectance  ____ 2 Degree Haze

  Schedule:    
  - Calendar
  - Radiant Exposure
  - Hours

- **INSTRUMENTAL COLOR:**    
  - Washed
  - Polished
  - Uncleaned

  Scale:  CIE LAB  CIE YXZ  Hunter LAB  Y I  W I

  Geometry:  45 /0  Diffuse/8 (sphere)

  Illuminant:  A  C  D65  F

  Observer:  2  10

  Specular Component:  Included  Excluded

  Schedule:    
  - Calendar
  - Radiant Exposure
  - Hours

- **DRY FILM THICKNESS:**

  Schedule:    
  - Calendar
  - Radiant Exposure
  - Hours

- **REPORTS:**

  Evaluations are conducted according to published standards, please specify.

  - ASTM
  - ISO
  - Other: ________________________________________

  - Standard Report
  - Descriptive Report
  - Photographs
  - Electronic:  Disk  E-mail (addr ____________ )

  Other: ________________________________________

**CONDITIONING & HANDLING SERVICES:**

- **Washing:**    
  - Water Only
  - Soap Solution
  - Flushing

  Wash Area:    
  - All
  - Half
  - Quarter
  - Third
  - Bottom
  - Left
  - Top
  - Right

  Schedule:    
  - At Time of Service

  Other: __________________________________________

- **Polishing:** (includes a pre-wash)

  Polish Area:    
  - All
  - Half
  - Quarter
  - Third
  - Bottom
  - Left
  - Top
  - Right

  Schedule:    
  - At Time of Service

  Other: __________________________________________

**VISUAL INSPECTIONS:**    

- **Yes**  **No**

  Inspection Schedule:

  - Calendar
  - Radiant Exposure
  - Hours

  Specify Duration: ______________________________________

  Chalk Rating:    
  - Felt
  - ASTM Tape
  - TNO Tape

  Scribed Area Rust Rating:    
  - Yes
  - No

  Specific Developments: __________________________________________

**MECHANICAL TESTS:**

- **SCHEDULE:**    
  - Calendar
  - Radiant Energy
  - Number of Hours

- **IMPACT:**

  Specification: ______________________________________

- **CHIP IMPACT:**

  Specification: ______________________________________

- **BEND:**    
  - Mandrel
  - Conical

- **ADHESION:**

  Specification: ______________________________________

  Other: __________________________________________

- **ABRASION:**

  Specification: ______________________________________

- **TENSILE:**

  Specification: ______________________________________

  Other: __________________________________________

- **PENCIL HARDNESS:**    
  - Pass / Fail
  - Determine

  Specification: ______________________________________

- **SPECIMEN WEIGHING:**

  Specification: ______________________________________