

## EMMAQUA Weathering Order Form

Date Submitted

Company Name

Primary Contact Name      Alternate Contact Name

Shipping Address

City                      State                      Zip Code                      Country

Phone                      Fax                      E-mail Address

Billing Address (if different)

Purchase Order Number

***A PURCHASE ORDER OR CREDIT CARD MUST BE ON FILE AT THE START OF EACH TEST***

**SPECIMEN INFORMATION:**

Number of Specimens:                      Number of Control Specimens:

Specimen Sizes:                      Exposure Duration:                      Specimen Description:

**EXPOSURE TYPES:**

<p><b>ASTM G90</b>    <input type="checkbox"/> EMMA®</p> <p>                  <input type="checkbox"/> EMMAQUA®</p> <p>                  <input type="checkbox"/> EMMAQUA® NTW (Night Time Wetting)</p>	<p><b>ASTM D4364</b>    <input type="checkbox"/> EMMA®</p> <p>                          <input type="checkbox"/> EMMAQUA®</p> <p>                          <input type="checkbox"/> EMMAQUA® NTW</p>
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<p><b>ASTM D4141</b>    <input type="checkbox"/> EMMAQUA® NTW</p>	<p><b>ASTM D5722</b>    <input type="checkbox"/> SOAK-FREEZE-THAW</p>
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**AAMA 624 & AAM 625**     EMMAQUA® NTW

**SAE J1961**     EMMAQUA® NTW     EMMA®

**STATIC TEMPERATURE CONTROL:**                      °C Temperature

**NIGHT TEMPERATURE CONTROL:**                      °C Temperature    From:                      To:                      Hours of Operation

**DYNAMIC TEMPERATURE CONTROL:**                      Remote Sensor Location                      °C Offset Temp.

**VARIABLE IRRADIANCE:**                      Number of Mirrors

**SPECIAL EXPOSURE INSTRUCTION:**

**MOUNTING METHOD**

Open Backed     Plywood Backed

**SIDE FACING SUN**

Coded     Uncoded     \_\_\_\_\_



# Evaluation Services

Type of Service	Initial	Weekly	Monthly	Final	Radiation	Other (please specify)
<input type="checkbox"/> Washing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Visual Inspection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Instrumental Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Instrumental Gloss	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Film Thickness <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/> Distinctness of Image	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Optical Properties	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Photography	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Temperature Monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Washing** Type:  A (DI Water)  B (Mild Detergent)  C (Wash with Polish)  Field Rinse  
 Area:  Entire Surface  Top  Bottom  Right Side  Left Side  Other

**Visual Inspection**

AATCC Grey Scale (control specimens mandatory)  Blistering (ASTM D714)  Cracking (ASTM D661)  
 Checking (ASTM D660)  Chalking (ASTM D4214 Method-  A-cloth  B-wet finger  C-tape, reflectance  D-tape, TNO)  
 Visual Color (ASTM D1729)  Mildew/Dirt Retention (ASTM D3274)  Tape Adhesion (ASTM D3359)  A  B  
 Other (Special Instructions/Specific Degradation Interest):

**Instrumental Color** Color Space:  CIELAB  Hunter L,a,b  CIE X,Y,Z  Other  
 Illuminant:  D65  C  A  Other  
 Observer:  10°  2°  
 Geometry:  0/45  Sphere **Specular Component:**  Included  Excluded

**Instrumental Gloss** Geometry:  20°  60°  85°

**Optical Properties**  Transmittance:  UV  Visible  NIR  Solar  
 Reflectance:  UV  Visible  NIR  Solar  
 Total Emittance  
 Haze  Clarity  Shading Coefficient

**Photography**  Digital  35mm

**Specimen Temperature Monitoring**

**Thermocouple Type:**  T-Type  Client Provided

**Number of Thermocouples:**

**Data Collection Reporting Parameters:**  Hourly ( Max  Min  Avg)  Daily ( Max  Min  Avg)  Other

**Location of Thermocouple Installation:**

**Return Shipping Carrier:**  UPS  Fed Ex  Yellow Freight  Other

Ship to: **DSET Laboratories**  
 45601 N. 47<sup>th</sup> Avenue  
 Phoenix, AZ 85087-7042  
 Phone: (623) 465-7356  
 Fax: (623) 465-9409