



# EMMAQUA Weathering Order Form

Primary Contact Name \_\_\_\_\_

Date Submitted \_\_\_\_\_

Alternate Contact Name \_\_\_\_\_

Purchase Order Number \_\_\_\_\_

Company Name \_\_\_\_\_

Shipping Address \_\_\_\_\_

Billing Address (if different) \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_

Country \_\_\_\_\_

Zip Code \_\_\_\_\_

Phone \_\_\_\_\_

Fax \_\_\_\_\_

E-mail Address \_\_\_\_\_

**A PURCHASE ORDER 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:

**ASTM G90**     EMMA®  
                   EMMAQUA®  
                   EMMAQUA® NTW (Night Time Wetting)

**ASTM D4364**     EMMA®  
                       EMMAQUA®  
                       EMMAQUA® NTW

**ASTM D4141**     EMMAQUA® NTW

**ASTM D5722**     SOAK-FREEZE-THAW

**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

- Backed
- Unbacked

## SIDE FACING SUN

- Coded     \_\_\_\_\_
- Uncoded

# Evaluation Services

Type of Service	Initial	Weekly	Monthly	Final	Radiation (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"/> 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 Procedure #1** (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)     **Film Thickness**     (ASTM B499)     (ASTM D1400)     **Weight**     **Edge Penetration**
- Crockmeter**     Dry     Wet     Dry & Wet     Mildew/Dirt Retention (ASTM D3274)
- 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°     75°     85°

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

**Photography**     Digital     35mm

**Specimen Temperature Monitoring**

Thermocouple Type:     T-Type     Client Provided (specify) \_\_\_\_\_

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> Ave.  
 Phoenix, AZ 85087-7042  
 Phone: (623) 465-7356  
 Fax: (623) 465-9409