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A subsidiary of Q-Lab Corporation



Weathering 101: Introduction to Weathering Seminar:

14th July at Ricoh Arena, Judds Lane, Longford, Coventry, CV6 6AQ
(Pure Legends Lounge)

AGENDA

- 08:30 – 09:00 Registration with Coffee & Refreshments
- 09:00 – 09:10 Introductions
- 09:10 – 10:30 **Part 1: Forces of Weathering**
- Weathering Factors
 - Sunlight & Spectral Sensitivity
 - Moisture & Time of Wetness
 - Temperature
 - Why Test?
- 10:30 – 10:45 Coffee Break
- 10:45 – 12:15 **Part 2: Natural Outdoor Weathering**
- Florida & Arizona Weathering
 - Exposure Methodology and Exposure Angles
 - Mounting Techniques / Direct & Under Glass Exposures
 - Specimen Handling & Evaluations
- Accelerated Outdoor Weathering**
- Tracking Racks
 - Natural Sunlight Concentrators
- Q-Panels: Test Substrates
- 12:15 – 13:15 Lunch
- 13:15 – 14:45 **Part 3: Accelerated Laboratory Weathering**
- Carbon Arc / Xenon Arc
 - Choice of Filters & Irradiance Control
 - Moisture Simulation
 - Fluorescent UV Weathering
 - Choice of Lamps & Irradiance Control
 - Sources of Variability in Laboratory Weathering

14:45 – 15:00

Coffee Break

15:00 – 15:45

Part 5: Acceleration & Corrosion

- Repeatability & Reproducibility
- Factors Affecting Correlation
- Natural v's Accelerated Weathering
- Standard Test Methods

15:45 – 16:15

Summary and Q&A