PERFORMANCE DATA

Accelerated weathering techniques were applied to coated samples of vehicle finishes according to American Society for Testing and Materials, Standard D 5894, the most reliable indicator of an environmental coating's future performance. These severe techniques were employed to evaluate Matrix Micro-Coating's environmental durability or performance with regard to corrosion, extreme temperature fluctuation, humidity, and other atmospheric conditions, like 'acid rain'. As the results demonstrate, Matrix Micro-Coatings completed the test without showing any signs of deterioration typical of coating failures, like blistering, rusting, or yellowing. This data substantiates what we have seen over 9 years with Matrix Micro-Coatings on vehicle exteriors like those comprised of the testing materials.

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LABORATORY REPORT

Advanced
Materials
Center, Inc.
125 Swanson Street, Ottawa, IL 61350 Phone (815) 433 – 1495 Fax (815) 433 – 1795

Client: Matrix Micro-Coatings, Inc.
John Suerth

Date: August 2, 2002

Project: 02P1159

Purpose:

Expose various materials coated and uncoated (control) per ASTM method D 5894 to 340A UV light for 1,008 hours. Take gloss measurements on selected specimens pre and post-test.

Sample Identification	Supplier:
	Matrix Micro-Coatings, Inc.
Aluminum (painted green) aircraft - 6 pieces	
Aluminum (painted black) automotive - 6 pieces	
Aluminum (painted gray) military - 3 pieces	
FRP / gel-coat fiberglass (beige) – 6 pieces	
Architectural glass - 4 pieces	
Stainless Steel - 2 pieces	
PVC Glazing (Eisenglass) – 2 pieces	
Ceramic Tile – 2 pieces	

Results:

No yellowing and creeping or blistering was observed after completion of exposure.
Little or no gloss was lost after completion of exposure.
The various specimens were exposed per ASTM test method D 5894.
Gloss measurements were taken on all selected specimens pre & post tests.

Conditions:

The specimens were mounted in 3.5" wide panels and exposed for 1,008 hours in a Q Panel accelerated weathering machine serial #89-5171-36 fitted with 340A UV lamps. Specimens were exposed to a combination salt fog and UV environment for 1,008 hours.

Gloss measurements were taken using a Horriba IG-320 gloss checker.

Ron Walling, Engineer