# Laboratory Tests

## Screen Printed RhinoPoly™ Signs

COMTEC
Composite Materials Technology Center

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WEATHEROMETER TESTING

We have completed 2000 hours of exposure on the Rhino Poly Sign samples. The exposure test followed ASTM G53 (Standard practice for light and water exposure of nonmetallic material.) The cycle of exposure of the specimens was 4 hours of UV light at 60 deg. C. followed by 4 hours of condensation at 50 deg. C. in a Qpanel Accelerated Weathering Tester with UVA-340 lamps as the light source. The lamps are rotated every 400 hours to maintain an even light distribution over the specimens .The test was conducted from 3-2-98 through 5-26-98 at Winona State University , COMTEC testing lab..

Rhino Poly Signs

We tested orange, white, and yellow poly with both black and white printing. The exposed white poly samples did exhibit noticeable yellowing, but the legibility of the printing was not affected. The orange and yellow poly exhibited no noticeable change in color. None of the printing on any of the samples faded, nor did it peal or flake off. All the exposed samples remained flexible and showed no signs of cracking.

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