

# ARCOR

*The Intelligent Alternative*

## TEST REPORT

### ARCOR S-16 RADIATION TESTING

Sample

Preparation:

Four carbon steel plates, 2" x 3" x 1/8", were sandblasted to a 2.5 - 3.0 mil profile and coated with the ARCORS-16 three-coat system (white, fuchsia, and blue) to a minimum 30 mil thickness

Test

Conditions:

The samples were irradiated for a total of 658 hours at a dose rate of 1.53 Mrads/hr to achieve a total exposure dose of 1,000 Mrads. The exposure was achieved at 120°F in a dry environment. The radiation source and dosimetry employed is reported in the Component Irradiation Certification of Isomedix, Inc.

Test Results:

There was no coating deterioration - cracking, delamination, blistering or flaking observed. The samples changed color, from blue to dark green but remained hard and tightly adhered to the metal plates.