

METALPHOTO® DURABILITY CHARACTERISTICS

for SO354®

| SPECIFIC CHARACTERISTIC | TEST CONDITION | EFFECT |
|---|--|----------------------------------|
| Exterior Exposure | Black and silver image exceeds 400 hr. Weatherometer Test GG-P-455b, estimated equivalent to 20 yr. exposure | No effect |
| Abrasion Resistance | Taber Abraser with CS17 wheel, a total of 1000 gm. load, 7000 cycles | Slight dulling of surface |
| Temperature Resistance | | 650°F |
| Salt Spray | 5% at 95°F for 700 hrs. | No Corrosion |
| Chemical Resistance | | |
| MIL-S-3136 111 Hydrocarbon Fluid | 1 hr. immersion | No Effect |
| MIL-L-5161C-Turbine and jet engine fuel | 1 hr. immersion | No Effect |
| JP-4 Fuel | 72 hr. immersion | No Effect |
| Kerosene | 12 hr. immersion | No Effect |
| Skydrol (Hydraulic Fluid) | 24 hr. immersion, at both room temperature and boiling point. | No Effect |
| Methyl Ethyl Ketone (MEK) | 24 hr. immersion | No Effect |
| Ethyl Acetate | 24 hr. immersion | No Effect |
| Xylol | 72 hr. immersion | No Effect |
| Heptane | 72 hr. immersion | No Effect |
| Ethyl Alcohol | 72 hr. immersion | No Effect |
| Ferric Chloride | 10% solution, 16 hr. immersion | No Effect |
| Ammonium Hydroxide | 10% solution, 16 hr. immersion | Slight dulling |
| MIL-P-21563 soap solution | 16 hr. immersion | No Effect |
| MIL-C-25179 AIN in heptane | 25% solution, 1 min. immersion (cleaning solution) | No Effect |
| Sulfuric Acid | 10% solution, 24 hr. immersion | No Effect |
| Phosphoric Acid | 1% solution, 12 hr. immersion | No Effect |
| Nitric Acid | 3% solution, 72 hr. immersion | No Effect |
| TSP (Trisodium Phosphate) | 1% solution, 40 hr. immersion | No Effect |
| Sodium Hydroxide | 1% solution, 1 hr. immersion | Not Recommended (surface attack) |

| SPECIFICATION | PUBLICATION | DETAIL | DESCRIPTION |
|--------------------------------|--|----------------------------------|---|
| GG-P-455b | Federal Specification | Type I, Grade A or B Class 1 & 2 | Photosensitive anodized aluminum impregnated with silver compounds printable on one or two sides - all finishes and thicknesses. |
| MIL-P-15024D | Military Specification | Type H & G | Totally anodized aluminum with characters integrated into the anodized layer photographically using silver compounds. |
| MIL-P-19834B | Military Specification | Type I or II, Style III or IV | Metalphoto .003" thick plates with the proper adhesive applied meets or exceeds all of the performance requirements of this spec. |
| MIL-P-514D | Military Specification | Composition C | Photosensitive aluminum plates, grade and class as specified in federal specification GG-P-455b. |
| Industrial Commercial Products | Original Equipment Panel Fronts Nameplates | Metalphoto Products | Material shall be Metalphoto. Image (black on silver or silver on black) shall be sealed into the anodized layer with photosensitive silver compounds: colors other than black may be imbedded by resist or screen process. |

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Note: Users must test Metalphoto products in the specific environment anticipated. Camcode does not warrant performance of its materials in any environment.

CAMCODE®

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