



METALPHOTO®

DURABILITY CHARACTERISTICS

SPECIFIC CHARACTERISTIC	TEST CONDITION	EFFECT
Exterior Exposure	Black and silver image exceeds 400 hr. Weatherometer test GG-P-455b, estimated equivalent to 20 yr.	No effect
Abrasion Resistance	Taber Abraser with CS17 wheel of 1000 gm. load, 7000 cycles	Slight dulling of surface
Temperature Resistance	Black and silver image exceeds 1000 °F Black and silver image, standard 750 °F	Slight dulling Slight dulling
Salt Spray	5% at 95 °F for 700 hrs	No corrosion
Chemical Resistance		
· MIL-S-3136 III 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
· Karosene	12 hr. Immersion	No effect
· Skydrol (hydraulic Fluid)	24 hr. Immersion, at both room temperature and boiling point	No effect
· Methyl Ethyl Ketoe (MED)	24 hr. Immersion	No effect
· Ethyl Acetate	24 hr. Immersion	No effect
· Xytol	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-C25179 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
· Nutric Acid	3% solution, 72 hr immersion	No effect
· TSP (Trisodium Phosphate)	1% solution, 72 hr. Immesion	No effect

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PRODUCT SPECIFICATION

SPECIFICATION	PUBLICATION	DETAIL	DESCRIPTION
GG-P-455b	Spécification fédérale	Type I, Grade A or B Classes 1 & 2	Photosensitive anodized aluminum impregnated with silver compounds printable on one or two sides -- all finishes and thicknesses
MIL-P-15024F	Spécification militaire	Type H & G	Totally anodized aluminum with characters integrated into the anodized layer photographically using silver compounds.
MIL-P-19834B	Spécification militaire	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	Spécification militaire	Composition C	Photosensitive aluminum plates, grade and class as specified in federal specification GG-P-455b.
Industrial Commercial product	Original Equipment Panel Fronts Nameplate	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
Canadian Standards Association / File # 11133-1 Classe #7921			
Underwriter's Laboratories / File # MH17767			