

### FotoFinish Durability Chart

The "Fotofinish" photo-etching process produces long-life aluminum nameplates. This chart shows the durability ratings of the nameplates for the listed chemicals.

SPECIFIC CHARACTERISTICS	TEST CONDITION	EFFECT
<b>THICKNESS</b>	.003", .005", .008", .012", .032", .063", .125"	
<b>EXPOSURE</b>	Black & silver image exceeds 400 hr. Weatherometer Test GG-455B 20 yr. equiv.	No effect
<b>ABRASION RESISTANCE</b>	Tabor Abraser w/CS17 wheel, total 1000 gm. load, 7000 cycles	Slight dulling
<b>TEMPERATURE RESISTANCE</b>	Black & silver image intensified 1000°F; Black & silver image standard 750°F	Slight dulling
<b>WATER RESISTANCE</b>		
Adhesion	lb./in. width after 48 hr. immersion at 77°F	No effect
Tap Water	72 hr. immersion	No effect
Temperature Resistance of Image	+1000°F	Slight dulling
Fungicidal Resistance		No effect
Salt Spray	5% at 95°F for 700 hrs.	No corrosion
Humidity Resistance	100°F and 95% humidity	No effect
<b>CHEMICAL RESISTANCE</b>		
MIL-S-3136 111 Hydrocarbon Fluid	1 hr. immersion	No effect
MIL-L-5161C Turbine & jet engine fuel	1 hr. immersion	No effect
JP-4 fuel	72 hr. immersion	No effect
Kerosene	12 hr. immersion	No effect
Skydol (Hydraulic Fluid)	24 hr. immersion at both room temperature & boiling point	No effect
Premium Gasoline	8 to 24 hr. immersion	No effect
Ethyl Amyl Ketone	8 to 24 hr. immersion	No effect
Methyl Ethyl Ketone (MEK)	24 hr. immersion	No effect
Ethyl Acetate	24 hr. immersion	No effect
Mineral Spirits	16 to 72 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 solutions)	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
NaCl	10% solution, 16 to 72 hr. immersion at 72°F; 20% solution, 50 hr. immersion at 72°F	No effect
PS-751 (cleaning solution)	.5% solution in water, 1 min. immersion	No effect
Soilax (cleaning solutions)	1% solution, 72 hr. immersion	No effect

Improved grade silver photo-sensitive aluminum that meets all requirements of GGP-455B type 1 class A as well as fully anodized nameplate mil specs.