

SILVER, GOLD, BRASS, AND BRONZE ALUMAMARK DURABILITY CHARACTERISTICS

Co₂ Laser Markable Aluminum

Characteristic	Test Condition	Effect
Interior Exposure	Indoor environment, consistent temperatures 40°F to 90°F	No effect
Abrasion Resistance	Taber Abraser with CS17 wheel, 1000 gm. Load, 7000 cycles	Slight dulling of surface
Temperature Resistance	Black and silver image standard, 450°F	Slight yellowing of background material after 8 hours
Salt Spray	5% at 95°F for 700 hrs.	No corrosion
Exterior Exposure	Weatherometer testing and actual outdoor exposure	Not recommended without overspray or overlamine

Chemical Resistance	Test Condition	Effect
Methyl Ethyl Ketone (MEK)	24 hr. immersion	No effect
Ethyl Acetate	24 hr. immersion	No effect
Ammonium Hydroxide	10% solution, 16 hr. immersion	Slight dulling
MIBK	24 hr. immersion	No effect
Brake Fluid	24 hr. immersion	No effect
Sulfuric Acid	10% solution, 16 hr. immersion test	No effect
Phosphoric Acid	1% solution, 7 hr. immersion test	No effect
Nitric Acid	3% solution, 72 hr. immersion	No effect
JP-4 Fuel	72 hr. immersion test	No effect
Skydrol (Hydraulic Fluid)	24 hr. immersions room temperature/boiling point	No effect

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