

# metalphoto<sup>®</sup>

## Photosensitive Anodized Aluminum *Unmatched Durability* High Resolution Images!

Resistant to chemicals, abrasion,  
heat, solvents, and sunlight.

Photographic process  
affords highest possible  
resolution for all images.

Images are permanently  
sealed within the surface  
of anodized aluminum.

Meets government and  
industry specifications.

### Applications:

Nameplates

Panel Fronts

Bar Code Labels

Data Plates

Signs

Wiring Diagrams and Schematics

Plaques and Awards

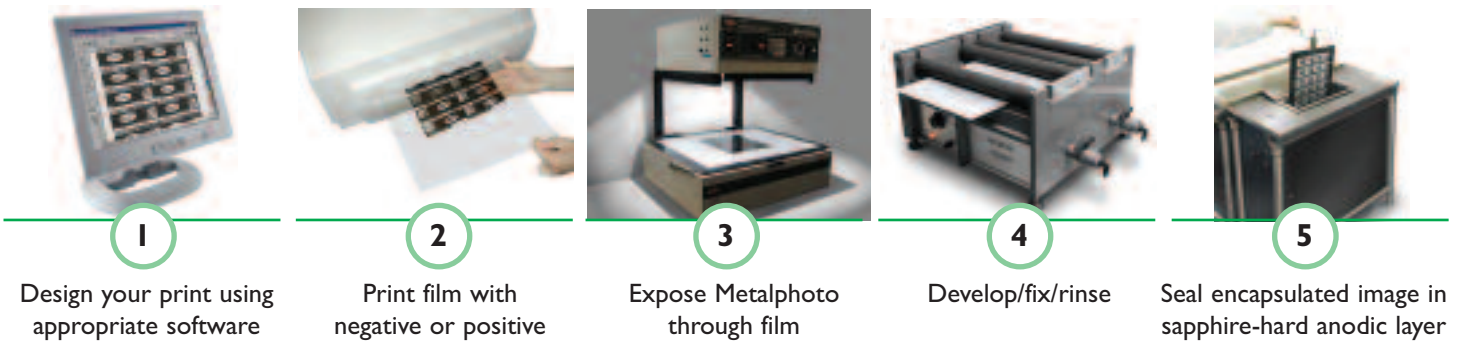
PARTS  
THAT LAST  
A LIFETIME



# Metalphoto Photosensitive Anodized Aluminum

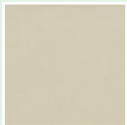
- Parts can be produced quickly and economically.
- Is easier and more environmentally friendly than etching.
- Requires less set-up and clean-up than screenprinting.
- Eliminates the blurred images and fading of sublimation.
- Is more precise and versatile than engraving.

## How to process Metalphoto in 5 easy steps:



### Additional Product Information:

#### Finishes



**Matte** – non-reflective with dull finish



**Satin** – Semi-gloss medium reflective material



**#4** – brushed to resemble a stainless steel finish



**Gloss** – highly reflective, mirror-like

### Materials, Sizes and Thicknesses:

#### Materials:

Aluminum sheets

**Sizes:** 10" x 12", 12" x 20", 20" x 24", 20" x 40", 24" x 40"

#### Thicknesses:

.003", .005", .008", .012", .020", .032", .039", .063", .090", .125"

### Metalphoto Outlasts Other Parts in Challenging Environments

		Metalphoto Environmental Properties									
		Abrasion Resistance	Solvent/Fuel Resistance	Temperature Resistance		Ultraviolet Light Resistance	Salt Spray/Immersion Resistance		Chemical Resistance		
				> 400°F ≤ 750°F	> 750°F ≤ 1000°F		Acid	Bases			
Finished Plate Characteristics	Test Conditions	Taber Abraser with CS17 wheel, 1000 gram load for 7000 cycles.	Extended immersion in alcohol, kerosene, JP-4 jet fuel, hydraulic fluid, MEK and other organic solvents at room temperature.	Oven tested for one hour.		400 Hour Weatherometer test  <b>recognized equivalent of 20 years outdoor exposure.</b>	Salt Spray testing with a 5% NaCl solution at 90°F for 700 hours.	Immersed plates in sea water at ambient temperature for an extended period of time avoiding galvanic coupling.	24 hour immersion at room temperature in 3% solutions of nitric acid, sulfuric acid and ferric chloride.	24 hour immersion at room temperature in 3% solution of Clorox.	24 hour immersion at room temperature in 3% solutions of sodium or ammonium hydroxide.
	Black & Aluminum Image Intensified.	●	●	●	●	●	●	●	●	○	
	Black on Gold* Background Image Intensified.	●	●	●	●	●	○	○	●	●	○
	Black & Aluminum Not Image Intensified.	●	●	●	○	●	○	●	●	●	○
	Black on Gold* Background Not Image Intensified.	●	●	●	○	●	○	○	●	●	○
Additional Background or Selective Colors	●	●	○	○	○	○	●	●	●	○	

Note: Users must test Metalphoto products in the specific environment anticipated. Metalphoto does not warrant performance of its materials in any environment. \*Includes Sunfast and Classic Gold Products

#### INDUSTRY & GOVERNMENT SPECIFICATION

Underwriters Laboratories / File #MH17767	MILITARY SPECIFICATIONS	
Canadian Standards Association / File #11133-1, Class #7921	Mil-P-15024F	Mil-P-514D
Federal Specification GGP-455b, Type I & II, Grade A or B	Mil-P-19834B	Mil-A-8625E

metalphoto®

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