



## Features

Metalphoto® material meets a wide array of commercial, government and military specifications.

Earned more top scores than any other IUID bar code label material tested by the U.S. Navy.

Notable certifications include: MIL-STD-130N, STANAG 2290, GGP-455B(3) Type I, MIL-DTL-15024F, MIL-P-19834B and A-A-50271.

Expertise in working with UID spec from an established company with a reputation for durable and reliable products

Our Photo Anodized Aluminum IUID Plates provide excellent durability and barcode readability, making them the ideal choice for a wide range of outdoor and industrial applications.

## Product Print Options

Barcode . Data Matrix . QR Code . Serial Number . Text

## Product Functionality

Abrasion Resistance . Chemical Resistance . Heat Resistance . UV/Outdoor Durability

## Popular Applications

Government

## Category

PHA 5 Point Promise . Military . Unique Item Identification (UID) . Metal Asset Tags

## Ask about our Photo Anodized 5 Point Promise!

MIL-STD-130 compliant Metalphoto® labels are anodized for protection from chemicals, abrasion and high temperatures, and offer outstanding resistance to damaging UV rays. A specially matched adhesive provides more robust thickness. Optional holes are available for mechanical fasteners. Laser-marked

aluminum data plates provide similar performance statistics to the photo-anodized data plates.

The photo-anodized aluminum provides added durability while the specially matched adhesive ensures maximum thickness or optional holes are available for mechanical fasteners. Optional thicknesses available are .008", .012", .020" & .032".

## Specifications Data

<b>Material</b>	<b>Metal - .008" thick matte anodized aluminum is standard. Optional thicknesses include: .012", .032" and .063". Foil - .003" thick matte anodized aluminum is standard. .005" thick matte anodized aluminum is optional.</b>
Serialization	All alphanumeric bar codes are photo imaged with a human-readable equivalent. Guaranteed no skips in sequence.
Label Copy	The label copy may include block type, stylized type, logos or other designs. All copy, block type, stylized type, logos, designs, and bar code are subsurface printed.
Colors	Available in black only
Standard Adhesive	Specially matched adhesives ensure maximum adhesion or optional holes available for mechanical fasteners (metal option only).
Sizes	Various sizes available
Holes	Optional
Packaging	Shipped in "work-out-of" cartons for convenient application. Each carton consists of one or more trays containing sequentially packed nameplates (nameplates may not always have a number and a quantity packaged can vary with metal thickness). Both cartons and trays are clearly marked to indicate serial numbers of contents. Pressure-sensitive adhesive orders are shipped with a roller, cleaner, and application instructions. Roller is recommended when applying nameplates.
Shipment	7 business days

## Chemical Testing

### Chemical Test Data

Characteristics	Test conditions	Effect
Water/humidity		no effect
Salt spray	5% at 95°F, 700 hours	Slight dulling of image, affects overall readability
Ethyl Alcohol		no effect
Ethyl Acetate	24 hours	no effect
Ferric Chloride	10%, 16 hours	no effect
Heptane	72 hours	no effect
Hydrocarbon Fluid		no effect
JP-4 Fuel		no effect
Kerosene		no effect
Methyl Ethyl Ketone		no effect
Nitric Acid	1%, 40 hours	no effect
Phosphoric acid	1%, 40 hours	no effect
Skydrol		no effect
Sodium hydroxide		affects overall readability
Sulfuric acid	10%, 24 hours	no effect
Turbine and jet fuel (MIL-L 5161C)	(MIL-L 5161C)	no effect
Tetra Sodium Pyrophosphate	1%, 40 hours	no effect
Trisodium Phosphate		no effect

## Destructive Testing

### Destructive Test Data

Image intensified	Plates brushed for 7,000 cycles with stiff nylon wheel (C-17) at a 1,000 gm (16 ox.) load	Reduced overall readability after these thresholds
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## Temperature Testing

Temperature Test Data


## Read Range Testing

Read Range Test Data


## Barcode Readability Testing

Barcode Readability Test Data

Image intensified

Weatherometer, 20 years equivalent

Reduced overall readability after these thresholds

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## Abrasion Testing

Abrasion Test Data


## Label Adhesion Testing

Label Adhesion Test Data


## Pull Testing

Pull Test Data
