





Unique Item Identification - or UID as it is commonly referred - is a Department of Defense mandate that requires a globally Unique Item Identifier to track items throughout their lifecycle. Because the mandate specifies the UID mark must last the service life of the item being identified, this presents some challenging marking applications in difficult environments.

That's where Metalcraft comes in. Our Metalphoto® UID photosensitive anodized aluminum nameplates and labels are an ideal solution for many UID applications. Produced using a photo imaging process that seals images within the sapphire-hard anodic layer of the aluminum – resisting chemicals, solvents, abrasion and dirt – these robust products ensure accurate and reliable reads for years to come.

Various thicknesses allow for versatility in application surfaces – flat or curved – and specially matched adhesives ensures maximum adhesion or optional holes are available for mechanical fasteners. Plus, a break-away tab (limited sizes available) on our metal material makes adhesive liner removal easier. And because it is a Metalcraft UID product you receive all the same benefits as our other UID products – expert knowledge from our team of ID specialists, verification and validation reports, etc.

But that's not all – we now offer our UID Next Day Program where UID tags ship in just one business day at no extra charge and our UID Replacement

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

## Features

## 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

UID . Metal Asset Tags

## 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



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## 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

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

Barcode Readability Test Data

<b>Image intensified</b>	<b>Weatherometer, 20 years equivalent</b>	<b>Reduced overall readability after these thresholds</b>
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