

UID Nameplates and Labels



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 new break-away tab* 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 UID 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 Program where we offer replacement tags at a minimal cost.



3360 9th St. SW
Mason City, IA 50401
www.idplate.com
E-mail: metalcraft@idplate.com

Key Points

- 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
- Anodizing process protects black copy and bar codes from chemicals, abrasion and high temperatures
- UID Next Day Program – UID tags ship in one business day at no extra charge
- UID Replacement Program – replacements for misplaced tags at a minimal cost
- Convenient break-away tab* makes adhesive liner removal easier
- ITAR Compliant

Not sure what product you need?
Call our trained Experts!

800.437.5283 or
641.423.9460

* Not available on all sizes

**As well as UID products that are compliant according to International Traffic in Arms Regulations (ITAR)

UID Nameplates and Labels Specifications

Material: 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.

Seralization: All alphanumeric bar codes are photo imaged with a human-readable equivalent. Guaranteed no skips in sequence.

Tabbed Option:
Available in metal option only .012” thickness (limited sizes).



Sizes: Send email to etalcraft@idplate.com

or fax request to 641-423-8898 or call 800-437-5283 for details on available sizes.

Affixing Method: Specially matched adhesives ensure maximum adhesion or optional holes available for mechanical fasteners (metal option only).

Shipment: 7 work days upon receipt of order and proof approval.

To Order: Call **1-800-437-5283** and ask for a UID Specialist.

Test Results

These tests were conducted for a limited period of time in strict laboratory conditions. In order to achieve maximum satisfaction we highly recommend that any customer considering use of this product test the labels in the environment in which they will be used.

Characteristics	Test Conditions	Effect
CHEMICAL RESISTANCE		
Water/Humidity		No effect
Salt Spray	5% at 95°F, 700 hours	No effect
Ammonium Hydroxide	2 hours at 1% and 5%	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
TEMPERATURE RESISTANCE		
(Image Intensified)	265 hours at 500°F, 90 hours at 600°F, 60 hours at 700°F	Reduced overall readability after these thresholds
UV EXPOSURE		
(Image Intensified)	Weatherometer, 20 years equivalent	Reduced overall readability after these thresholds
ABRASION RESISTANCE		
(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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