



Foil IUID Labels

IUID LABEL AND TAG LINE

Our Photo Anodized Foil IUID Labels easily conform to curved surfaces while specially matched adhesives ensure maximum adhesion. Photo imaging process provides maximum clarity and detail of the barcode and IUID details which are then sealed within the anodic layer of the aluminum, ensuring the IUID mark will last the service lifetime of the item being identified.

Material and Design Specifications

- 0.003" (0.08 mm) thick matte anodized aluminum is standard
- 0.005" (0.13 mm) thick matte anodized aluminum is optional
- Optional thicknesses include 0.003" (0.0762 mm) and 0.005" (0.127 mm)
- Serialization: All alphanumeric barcodes are photo imaged with a human-readable equivalent. Guaranteed no skips in sequence
- Standard adhesive: Specially matched adhesives ensure maximum adhesion
- Sizes: Various sizes are available

Key Features

- 0.003" or 0.005" thick matte anodized aluminum is standard
- All barcodes are photo imaged with a human-readable equivalent. Guaranteed no skips in sequence
- Specially matched adhesives ensure maximum adhesion to oil-free, flat or curved surfaces
- Qualifies for Photo Anodized 5 Point Promise Guarantee

Applications

- Asset Tracking
- Government/Military
- Outdoor/Industrial

Environmental Specifications

- Minimum Application Temperature +50 °F (10 °C)
- Temperature Range: -40 °F to +500 °F (-40 to +260 °C) - adhesive dependent
- UV Resistance: Up to 20 years on black copy, up to 5 years on all other colors
- Chemical Resistance: Excellent resistance to solvents and oils, combustible and flammable chemicals and a wide variety of cleaners

Test Results

These tests were conducted for a limited period in strict laboratory conditions. To achieve maximum satisfaction, we highly recommend any customer considering use of this product test the tags in the environment in which they will be used.

Chemical Test Data:

Characteristics	Test Conditions	Effect
Water/humidity		NE
Salt spray	5% at 95 °F (35 °C), 700 hours	NE
Ammonium Hydroxide	2 hours at 1% and 5%	SD, AO
Ethyl Alcohol		NE
Ethyl Acetate	24 hours	NE
Ferric Chloride	10%, 16 hours	NE
Heptane	72 hours	NE
Hydrocarbon Fluid		NE
JP-4 Fuel		NE
Kerosene		NE
Methyl Ethyl Ketone		NE
Nitric Acid	1%, 40 hours	NE
Phosphoric Acid	1%, 40 hours	NE
Skydrol		NE
Sodium Hydroxide		AO
Sulfuric Acid	10%, 24 hours	NE
Turbine and jet fuel (MIL-L 5161C)	(MIL-L 516C)	NE
Tetra Sodium Pyrophosphate	1%, 40 hours	NE
Trisodium Phosphate		NE

Key: NE - No Effect, SD - Slight dulling of image, AO - Affects overall durability

Installation Instructions

1. Clean the surface using Isopropyl alcohol, alcohol pad or equivalent solvent to ensure surface is free from dirt, dust, oil and misc. debris that may affect adhesion.
2. Handle the tag by edges, peel release liner from back ensuring not to touch the adhesive.
3. Place the tag in desired tagging location and firmly apply even pressure to the tag for 5 seconds.
4. Do not disturb the newly mounted tag for at least 72 hours to ensure proper adhesive sealing.

Industry Compliance

