| | |
|---|---|
| **Features** | NEW! CMYK color matching now available for Foil Barcode Labels at NO ADDITIONAL CHARGE!<br>Conforms easily to radius surfaces<br>Photographically reproduced black copy, logos and bar codes ensure accurate and reliable reads<br>Anodizing process protects black copy, logos and bar codes from chemicals, abrasion and high temperatures<br>Adhesives specially matched to surface for maximum adhesion<br>Nearly 200 sizes means no extra tooling charge |
| **Product Print Options** | Barcode . Data Matrix . QR Code . Serial Number . Text |
| **Product Functionality** | Abrasion Resistance . Chemical Resistance . Heat Resistance . UV/Outdoor Durability |
| **Popular Applications** | Audio / Visual . Government . Inventory . Marine . Oil & Gas . Restoration . Supply Chain . Transportation / Logistics . Utilities . Warehouse / Distribution Centers . Wineries / Breweries . Churches . Construction / Tool Tracking . Hospitals . IT Assets . Manufacturing . Schools |

# Foil Barcode Labels


**Category**

PHA 5 Point Promise . Manufacturing . Information Technology . Medical . Utilities . Warehouse . Equipment Rental . Education . Asset Tracking . Tool Tracking . Work-in-Process . Metal Barcode Nameplates . High Temperature Metal Tags . Color Designed/Non Barcode Nameplates

Our flexible Foil Barcode Labels conform to surfaces while withstanding chemicals, abrasion, solvents and high temperatures.

Foil Barcode Labels are available with or without a barcode. Black copy, logos and barcodes are photographically reproduced for maximum clarity and detail and then sealed within the anodic layer of the aluminum – ensuring accurate and reliable reads for years to come. Optional second colors are digitally inkjet printed.

## Ask about our Photo Anodized 5 Point Promise!

Foil Barcode Labels are just as effective in an office setting as it is on the production floor. Uses and applications for this product are limited only by the customer's imagination! From tool tracking to product identification for Original Equipment Manufacturers (OEMs), Foil Barcode Labels are more than up to the task.

METAL CRAFT
ID MADE BETTER

**2019 Metalcraft, Inc.**
**3360 9th St SW Mason City, IA 50401**
**www.idplate.com |**
**www.universalrfid.com**
**Ph: 641-423-9460**

UNIVERSAL RFID BY METAL CRAFT

## Specifications Data

| | |
|---|---|
| **Material** | **.003” thick matte anodized aluminum is standard. .005” thick matte anodized aluminum is optional.** |
| Serialization | All alphanumeric bar codes are photo imaged with a human-readable equivalent. Guaranteed no skips in sequence. Code 39 with 2.7 to 9.4 characters per inch (CPI) is standard. Other bar code symbologies including Code 128, I 2 of 5, 2D DataMatrix and QR Code. |
| Label Copy | The printed label copy may include block type, stylized type, logos or other designs. All black copy is produced photographically. Colors other than black are screen printed. |
| Colors | Choose black only or one of our standard colors (red, blue, green, dark blue, orange, purple or yellow) for block style type, stylized type, logos or other designs. Due to the contrast needed for the bar code scanner, all bar codes are black. Color samples available upon request. |
| Standard Adhesive | .002" thick pressure-sensitive acrylic adhesive. Very high peel strength that provides excellent resistance to heat and chemicals. Will withstand temperatures from -40°F to 300°F (intermittent). Shelf life of 24 months when stored at 72°F (22°C) and 50% relative humidity. |
| Sizes | 1.25 x .5; 1.5 x .75; 1.75" x .5; 2" x .625" 2" x 1"; 2" x .75" |
| Packaging | Shipped in peel-off strips for easy removal. Both cartons and trays are clearly marked to indicate serial numbers of contents. Pressure-sensitive adhesive orders are shipped with cleaner and application instructions. |
| Shipment | 5-8 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 | 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 |

## Destructive Testing

A label with an intensified image was tested in a weatherometer, 20 years equivalent; reduced overall readability after these thresholds

Destructive Test Data

## Temperature Testing

Temperature Test Data

## Read Range Testing

Read Range Test Data

## Barcode Readability Testing

Barcode Readability Test Data



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## Abrasion Testing

A plate with an intensified image was 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

Abrasion Test Data

## Label Adhesion Testing

Label Adhesion Test Data

## Pull Testing

Pull Test Data