Features

Ideal for use with automated applicators
Conforms easily to radius surfaces
Patented production process
Photographically reproduced black copy, logos and bar codes ensure accurate and reliable reads
Anodizing process protects black copy, logos and bar codes from chemicals, abrasion and high temperatures

Product Print Options

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

Developed using a patented production process, you can be sure there is no other product on the market like it! Metalcraft's Foil Bar Code Roll Labels afford users all the same benefits as our standard Foil Bar Code Labels, yet can be applied using an automated applicator – saving time and eliminating potential misapplication caused by human error.

Foil Bar Code Roll Labels are ideal for customers who require a flexible label that will conform to most surfaces, yet need a product that will withstand harsh conditions including chemicals, abrasion, solvents, and high temperatures.

Foil Bar Code Roll Labels are available with or without a bar code. Black copy, logos and bar codes 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.

Specifications Data

Material	**.005" thick matte anodized aluminum is standard.**
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, and other designs. All copy is produced photographically.
Colors	Standard colors include black, red, yellow, green, dark blue, purple, orange or blue. Custom spot colors are also available at no additional charge. Due to contrast needed for the bar code scanner, all bar codes are black.
Standard Adhesive	Pressure-sensitive acrylic adhesive
Sizes	1.5" x .5"
Packaging	Shipped on convenient rolls with scrap matrix removed for ease of removal. Cleaning solution is provided to assist in applying to a clean surface. Cartons are clearly marked to indicate serial numbers of labels
Shipment	15 business days

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

Chemical Testing

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

A label with an intensified image was tested for 265 hours at 500°F, 90 hours at 600°F, 60 hours at 700°F; reduced overall readability after these thresholds

Temperature Test Data

Read Range Testing

Read Range Test Data

Barcode Readibility Testing

Barcode Readability Test Data

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