

# Foil Bar Code Roll Labels



Developed using a patent pending production process, you can be sure there is no other product on the market like it! Our 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.

## Key Market Features

- Ideal for use with automated applicators
- Conforms easily to radius surfaces
- Patent pending 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

Not sure what product you need?

[Call our trained Experts](#)



“Process for Producing Metal Foil Labels in Roll Form” US Patent Number: 8,888,943 B1.

# Foil Bar Code Roll Label Specifications

**Material:** .005” thick matte anodized aluminum is standard.

**Bar Codes:** All alpha numeric 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 and DataMatrix as well as OCR characters and CPIs available.

**Label Copy:** The printed label copy may include block type, stylized type, logos or other designs. All black copy is produced photographically.

**Colors:** Red, Blue, Green, Yellow or Black.

**Finish:** All black copy and bar codes are sealed in an anodic layer to resist defacing, abrasion and environmental conditions.

**Standard Sizes:** 1 1/2” x 1/2”

**Adhesive:** Pressure-sensitive acrylic adhesive (MC67MP), .0035” thick, supported by a liner. Stabilized with glass fibers to increase the structural strength of the adhesive. Provides an excellent bond to plastic or powder coated metal surfaces and a very good bond to bare metal surfaces. Also bonds well to slightly oily surfaces or those plastics that may have a mold release. Will withstand temperatures from -40°F to 400°F (intermittent). Shelf life of 24 months when stored at 72°F (22°C) and 50% relative humidity.

**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 work days

## 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
<b>CHEMICAL RESISTANCE</b>		
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
<b>TEMPERATURE RESISTANCE</b>		
(Image Intensified)	265 hours at 500°F, 90 hours at 600°F, 60 hours at 700°F	Reduced overall readability after these thresholds
<b>UV EXPOSURE</b>		
(Image Intensified)	Weatherometer, 20 years equivalent	Reduced overall readability after these thresholds
<b>ABRASION RESISTANCE</b>		
(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