

# Traffic Sign Asset Tags



Need an identification product that is going to outlast the traffic sign you are putting it on? Metalcraft's Metal Bar Code Nameplates fit the bill. These nameplates are ideal for compliance with Federal Highway Administration (FHWA) requirements on tracking and maintaining minimum sign retroreflectivity set forth in the agency's Manual on Uniform Traffic Control Devices.

Metal Bar Code Nameplates combine reliability with the durability you have come to expect with any Metalcraft product. They have consistently remained one of our most popular products for our customers due to their dependability as well as the options available including thickness of material, adhesive options and size selection. And now we've made them even easier to apply with a convenient break-away tab to assist with liner removal – cutting the application time in half!\*

For outdoor applications like tracking traffic signs Metalcraft offers an intensification process that increases heat resistance to 1000°F (intermittent) and improves image resistance for other environmental conditions including damaging UV rays. In addition, this product is also available with pressure-sensitive adhesive or optional holes for mechanical fasteners.

\*Not available in all sizes.

## Key Market Features

- 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
- Adhesives specially matched to surface for maximum adhesion or optional holes available for mechanical fasteners
- Optional intensification process increases heat resistance and improves the image resistance for other environmental conditions
- Break-away tab for easier liner removal

Not sure what product you need?

Call our trained Experts

**800-437-5283**



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# Traffic Sign Labels Specifications

**Material:** .008" matte anodized aluminum is standard. Optional thicknesses include: .012", .032", and .063."

**Bar Codes:** 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:** Printed copy may include block type, stylized type, logos or other designs. Black copy is produced photographically. Colors other than black are screen printed.

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

**Standard Sizes:**

No. 050: 1 1/4" x 1/2"	No. 277: 2" x 3/4"
No. 033: 1 1/2" x 3/4"	No. 016: 2 1/2" x 1 3/16"
No. 191/191T: 2" x 5/8"*	No. 123: 1 3/4" x 1/2"
No. 019: 2" x 1"	No. 136: 2" x 9/16"
No. 160: 3 7/16" x 1 3/16"	No. 037/037T: 2 1/2" x 1 3/4"*
No. 045: 1 1/2" x 1/2"	No. 074: 3" x 1"

There are over 500 other sizes available upon request. E-mail metalcraft@idplate.com, fax request to 641-423-8898 or call 800-437-5283 and ask for customer service.

**Standard Adhesive:** Pressure-sensitive acrylic adhesive (MC778), .0035" thick supported by a liner. Excellent bond to unpainted metal surfaces such as aluminum and stainless steel as well as

glass surfaces. Metal Bar Code Nameplates Specifications: 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.

**Optional Adhesive:** MC69, a .005" thick, high-performance adhesive; MC73, a .010" thick, high-performance adhesive; MC72, a .005" thick, high-tack acrylic adhesive; and Flexcon 778, a .0035" thick, high-tack adhesive.

**Optional Holes:** Available upon request for mechanical fasteners. Standard hole diameters include: 3/32", 3/16", and 1/8". Contact Metalcraft for additional dimensions. A 1/4" quiet zone must be allowed at the beginning and end of the bar code inside the mechanical fastener area.

**\*Tabbed Option: Available in .012" thickness in limited sizes.**

**Packaging:** Shipped in "work-out-of" cartons for convenient application. Both cartons and trays clearly marked to indicate serial numbers of contents. Pressure-sensitive adhesive orders shipped with cleaner and application instructions.

**Shipment:** 5 work days (Black-Type, Black-Designed), 10 work days (Color-Designed) upon receipt of order and proof approval.

**To Order:** Call **1-800-437-5283** and ask for customer service.

## 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