

# Teflon® Coated Bar Code Nameplates



Dirt, grease, grime, even dried paint easily clean off this revolutionary nameplate due to its durable Teflon® coating. Once clean, you get a fast, accurate bar code reading to track assets, fugitive emissions or work-in-process. The Teflon® coating also resists incidental or intermittent contact with strong acids and caustics, as well as temperatures up to 500°F.

Available with or without a bar code, Teflon® Coated Nameplates are ideal for customers who require permanent nameplates to stand up in extremely harsh environments. Black copy, logos, and bar codes are photographically reproduced for maximum clarity and detail and then sealed within the anodic layer of the aluminum. The anodized aluminum combined with the Teflon® coating makes these nameplates one of our most durable products.

Teflon® Coated Bar Code Nameplates come with a standard adhesive that bonds extremely well to plastic or powder coated metal surfaces and also bonds well to bare metal surfaces. This product is also available with optional holes for mechanical fasteners.

## Key Product Features

- Dirt, grease or dried paint is easily removed
- Teflon® coating also provides protection against long-term exposure to weather, extreme heat or cold, UV rays, and fluctuations in temperature
- Photographically reproduced black copy, logos, and bar codes ensure accurate and reliable reads
- Adhesives specially matched to surface for maximum adhesion or optional holes available for mechanical fasteners

Not sure what product you need?

Call our trained Experts!

**800-437-5283**



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# Teflon® Coated Bar Code Nameplates Specifications

**Material:** .012" thick anodized aluminum is standard. Optional thicknesses include .020", .023", and .063". The Teflon® coating is a fluoropolymer, which is approximately .001" to .0015" thick.

**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 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, and other designs. All copy is produced photographically.

**Colors:** Teflon® Coated Bar Code Nameplates are available in Black-Type and Black-Designed only. No second colors are available.

**Standard Sizes:**

No. 191: 2" x 5/8"

No. 019: 2" x 1"

No. 037: 2 1/2" x 3/4"

Other sizes available upon request. Send e-mail to [metalcraft@idplate.com](mailto: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 (MC468MP), .005" thick, supported by a liner. Provides an excellent bond to unpainted metal surfaces such as aluminum and stainless steel as well as glass surfaces. Will withstand temperatures from -40°C to 400°F (intermittent). Shelf life of 24 months when stored at 72°F (22°C) and 50% relative humidity.

**Optional Adhesive:** Pressure-sensitive acrylic adhesive (MC72LE), .005" thick, supported by a liner. Provides an excellent bond to low surface energy materials such as polypropylene and polyethylene.

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

**Packaging:** Shipped in "work-out-of" cartons for convenient application. Each carton consists of one or more plastic trays containing 250 sequentially packed nameplates (can vary with metal thickness). 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:** 20-25 work days 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.

**Abrasion Tests:** Test performed with Taber Abrader set at 500g, 70% Vacuum with Calibrase CS-10 Wheels.

**Conclusion:** Tests were run to 1000 revolutions with no break-through of any Teflon® coatings.

**Paint Adhesions Tests**

Treatment	Observations
Lacquer	Coating covered uniformly and would not rub off with a rag. The coating was easily removed in one piece after the edge was loosened with a fingernail.
Enamel	The paint beaded when applied and was removed by rubbing with a dry shop rag. A reasonable amount of pressure must be applied in order to remove paint.
Epoxy	The paint beaded when applied and was removed by rubbing with a dry shop rag.

**Bar Code Readability Test:** This rating measures bar code readability after being exposed to chemicals listed below for a 2 hour soak.

Test Conditions	Rating
Acetone	100
Isopropyl Alcohol	100
Clear Magic	100
Glass Cleaner	100
Water	100

Chemical emergence tests are rated on a scale of 100 to 0:

100 = No Effect

75 = Image Blurred

50 = Image Scratches Off

25 = Image Wipes Off

0 = Image Destroyed



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