



Gain the advantage for your asset tracking solutions with Metalcraft's ID Advantage Barcode Labels. Whether it's unlimited color options, a thin profile, digital printing or yet another advantage, Metalcraft's ID Advantage Barcode Labels are ideal for high volume tracking applications in a mild to moderate environment.

Material and Design Specifications

- 0.002" (0.06 mm) thick polyester material; available with 0.001" thick clear polyester over laminate
- Overall dimensions - various sizes available
- 0.001" (0.03 mm) high performance adhesive
- Features digital printing for complex details/logos
- Serialized/unserialized numbers and barcodes with human readable numbers

Technical Specifications

- All alphanumeric barcodes are digitally printed with human-readable equivalent to guarantee no skips in sequence
- Code 39 with 2.7 to 9.4 characters per inch (CPI) is standard
- Other barcode symbologies include Code 128, I 2 of 5, 2D DataMatrix and QR Code. OCR characters and CPIs are also available

ID Advantage Polyester Barcode Labels

BARCODE LABEL LINE

Key Features

- Tough and versatile
- Digital printing combined with durable polyester protects the logos, copy and barcode against extreme solvents, caustics, acids and moderate abrasion
- Excellent adhesion to uneven, rough or slightly oily surfaces
- Four-color process allows you to promote your company with a label that sports a company name or logo
- Custom colors are available at no additional charge

Applications

- Asset Tracking
- Tool Tracking
- Work-in-Process
- Product Identification

Environmental Specifications

- Minimum Application Temperature: +50 °F (+10 °C)
- Service Temperature Range: -40 °F to +302 °F (-40 °C to +150 °C)
- UV Resistance: Up to 5 years of resistance
- Chemical Resistance: Excellent resistance to strong acids and alkaline solutions, very good resistance to flammable and combustible solvents and a wide variety of cleaning products

Test Results

These tests were conducted for a limited period in strict laboratory conditions. To achieve maximum satisfaction, we highly recommend any customer considering use of this product test the labels in the environment in which they will be used.

Chemical Test Summary: Samples applied to glass panels, immersed in chemicals below with ambient room temperature conditions

Sample (Immersion Time)	Water	Salt Water	Bathroom Cleaner	Glass Cleaner	Isopropanol	Brake Fluid	Acetone	Diesel Fuel	Nitric Acid pH 1.0	Hydrochloric Acid pH 1.0	Sodium Hydroxide pH 12.0
ID Advantage (48 Hours)	NE	NE	NE	AL, PE	AO	NE	AO, AL, TD	AO	NE	NE	NE

Key: NE - No Effect, ER - Printed Image Eroded/Dissolved, AO - Adhesive Ooze, AL - Loss of Adhesion to Glass Panel, TD - Tag Delaminated, PE - Print Erosion Under Laminare, OE - Overlam Edge Lift, TE - Overlam Topcoat Erosion/Dulling

Cold Temperature Exposure: Samples applied to glass panels at ambient room temperature conditions, then placed in freezer set to -40 °F for 24 hours. Samples checked for degradation.

Sample	Results
ID Advantage	No Effect

Key: NE - No Effect

Heat Tests: 200-400 °F - Samples applied to glass panels. The same sample was exposed to each temperature noted below for 1 hour.

Sample	200 °F	250 °F	300 °F	350 °F	400 °F
ID Advantage	NE	NE	NE	SS	SS, TD

Key: NE - No Effect, TD - Sample Materials Discolored, TP - Sample Print Degradation, TM - Tag Melted/Destroyed, SS - Sample Shrinking; Adhesive Ooze at Edges

Abrasion Test Summary

Labels survived 2,500 revolutions on Taber Abrader using Calibrase H18 wheel with 500 gram weight and remained readable with a barcode reader.

Installation Instructions

1. Clean the surface using Isopropyl alcohol, alcohol pad or equivalent solvent to ensure surface is free from dirt, dust, oil and misc. debris that may affect adhesion.
2. Handle the tag by edges, peel release liner from back ensuring not to touch the adhesive.
3. Place the tag in desired tagging location and firmly apply even pressure to the tag for 5 seconds.
4. Do not disturb the newly mounted tag for at least 72 hours to ensure proper adhesive sealing.

Industry Compliance

