



## Durable Labels & Signage

Electric codes generally require that “(manufacturer’s markings and field applied hazard markings or labels) shall be of sufficient durability to withstand the environment involved.” (NFPA70:110.21)

Labels, Tags and signage from Exiscan™ will help your facility comply with standards, and improve worker safety and reliability with solutions that will survive decades of exposure to UV and other harsh environments. Exiscan™ utilizes a unique photo-etching technology that embeds the image under an anodized metallic surface of the label, tag or sign. The result is a permanent image, that outlives even laser engraving, and is guaranteed for 20 years.



### Asset Management:

Durable labeling and tagging is a critical component of a successful launch and management of a CMMS (Computerized Maintenance Management System) program such as Maximo®. Make sure that power distribution equipment, pole tags, motor tags, equipment labels, and significant inventory items are clearly legible and/or scannable for consistency, accuracy and efficiency.

### Safety:

Ensure that workers are able to clearly read critical data points like voltage, incident energy calculations, PPE requirements. Eliminate faded and indecipherable signage so that workers are able to see and understand life-saving warnings and cautionary text.

### Get **MORE** with Exiscan

- ❑ **More Durability:**
  - Weather and UV Resistant.
  - Abrasion resistant.
  - Temperature resistant (heat, cold and transients)
  - Moisture and chemical resistant.
- ❑ **More Longevity:**
  - Readability and scanability proven to last 30 years and more in outdoor and industrial environments.
- ❑ **More Accuracy:**
  - Eliminate errors caused by faded, damaged and illegible labels.
  - Eliminate errors due to manual data collection with scannable bar or QR codes.
- ❑ **More Value:**
  - 20 year guarantee means you only buy and install it once.
  - Improve efficiency and productivity by improving data clarity.
  - Legibility of labels and signage is critical to maintaining a safe and compliant work environment.



# XLS Metal Photo Labels & Signage

## XLS Series Labels & Signage

### Dimension Specifications (nom.)

Size	Up to 24 in x 40 in (609.6 mm x 1016 mm)
Thickness	0.003 in; 0.005 in; 0.008 in; 0.012 in; 0.020 in; 0.032 in; 0.063 in; 0.125 in (0.08 mm; 0.13 mm; 0.2 mm; 0.3 mm; 0.51 mm; 0.81 mm; 1.6 mm; 3.18 mm)

### Tested / Certified

Mil Specs	MIL-STD-130N, MIL-A-8625F, MIL-DTL-15024F, GGP-455B
Heat Resistance	No degradation to readability or material after exposure to 1200°F (649°C)
Low Temperature Resistance	No degradation to readability or material after exposure to -50°F; no degradation to readability after exposure to -67°F
Thermal Shock	No deterioration after 3 cycles between -65°C and 125°C
Abrasion Resistance	No degradation to readability or material after >7000 cycles on abrading wheel
UV and Weather Resistance	No degradation to readability or material after 400 hour weatherometer exposure (~ 20 yr)
Moisture Resistance (MIL-STD-202, #106)	No deterioration after 10 humidity cycles
Accelerated Oxygen Aging	No discoloration or fading after 96 hour / 300 PSI / 70°C oxygen bomb aging
Salt Spray Corrosion	No degradation to readability or material after 720 hour "Fog Test"; 2.6 ("Very Good") Corrosion Resistance after 113 days seawater exposure
Cleaning Resistance	No degradation to readability or material after exposures to alkaline cleaners for aircraft (MILC-87937 or equivalent)
Solvent Resistance	No degradation to readability or material after 24 hour exposure to: JP-4 Jet Fuel, Gasoline, Mineral Spirits, Methyl Ethyl Ketone, Turpentine, Turbine & Jet Fuel, Kerosene, Xylol, Acetone, Tuluol, Heptane, Trichlorethylene, MIL-H-5606 Hydraulic Fluid, and MIL-L-7808 Jet Engine Oil
Broad Spectrum Chemical Resistance	No degradation to readability or material after 24 hours in 3% Nitric Acid
Stain Resistance	No black fading after exposure to to tincture of iodine
Fungus Resistance (ASTM-G21)	"0" visual reading

### General

Material	Anodized Aluminum: 1100 series alloy
Finishes Available	Matte (non-reflective); Satin (medium reflective); Brushed (stainless steel look); Gloss (mirror-like)
Colors	Black & silver; black & gold; Accents: Safety Red, Orange, Yellow, Green, Blue
Mounting Options	Adhesive; Fastener; Magnetic
Warranty	Materials, Workmanship and Readability: Black 20 yr.; Colors 10 yr. (3 yr. outdoor)
Country of Origin	<b>Proudly Made in the USA</b>

# XLS Metal Photo Labels & Signage

## Label and Sign Options:

The Exiscan™ XLS series offers users a limitless number of custom labels, tags and signs. Give us your engineering drawings or napkin sketches and Exiscan™ will generate professional, durable labels, tags and signs to your specifications.

This data sheet outlines the XLS “standard options.” If your project requires something outside the options listed below, please contact us to discuss how we might meet your specifications.

### Adhesives:

Exiscan™ XLS labels, tags and signs use 3M pressure sensitive adhesive that have proven to hold up for decades in the desert sun, the arctic’s chilling cold and everything in between. We are happy to consult with you regarding your requirements if you feel you have a unique need -- we have many options.

### Pre-Drilled for Fastening or Hanging:

Order equipment tags with pre-punched holes for rivets, drive screws or hanging straps. Standard hole size is 1/8” diameter. Designate quantity of holes required.

### Magnetic:

For temporary and moveable signage, sometimes magnet mounting is just the ticket.

### Corners:

Leave them square, or we can radius the corners for you for a smoother finish

### Accent Colors:

The standard is black and metallic. However, we can also apply a variety of “Safety” colors to cover the metallic background. Colors can be added to cover the entire metallic background or just parts. Although the accent colors are resilient in standard industrial environments, they are not guaranteed against fading, and are not recommended where exposed to aggressive chemicals or UV. Note: Black and metallic are covered by anodizing and are resilient and guaranteed in any environment.

### Part Numbering / Ordering:

