

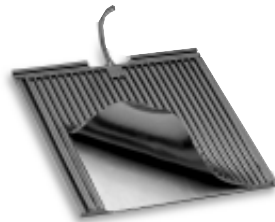
# Industrial Safety Mats

Since 1957, Larco has focused on developing and producing the most reliable and durable presence-sensing mats available. Designed to meet stringent industrial requirements, Larco safety mat systems offer a long-lasting solution to your machine guarding needs.

**Impact resilient, abrasion resistant and totally submersible, Larco mats set the industry standard, providing unparalleled durability and versatility.**

- **Impact Resilient**

Heavy-duty electrode assembly and durable outer shell provide excellent impact resilience and the ability to withstand heavy loads of up to 3,000 psi.



Larco's heavy-duty steel electrode assembly is bonded to the mat's durable outer shell ensuring superior protection against fluid infiltration even if the surface is cut or damaged.

- **Highly Sensitive**

Larco mats have a high sensitivity threshold requiring only 3-5 lbs. for activation in normal foot traffic.

- **Totally Submersible**

Larco safety mats are not laminated and will not separate. Hermetically sealed in a thick, seamless, injection-molded vinyl shell, they are impervious to fluids and suitable for even the wettest industrial environments.

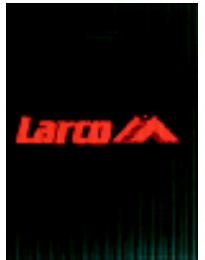


Larco mats are designed to continue working, regardless of fluids, high traffic or other harsh industrial conditions.

## Safety Mat Options

### Color

Larco safety mats are available in a number of color options. The standard Larco mat color is black. Brown, yellow, gray, blue, red and cordovan also are available.



### Custom Lettering and Logos

Informational messages such as "Caution" or "Do Not Step" or symbols can be added to your safety mat utilizing contrasting colors. Custom logos also are available.

### Custom Sizes and Shapes

In addition to Larco's 50 standard mat sizes, you can specify an unlimited number of custom sizes and shapes, including notches, angles and radii.



### SureStep Mats

Designed for unique applications that require additional traction beyond that provided by the standard ribbed mat, Larco now offers an aggressive non-skid surface. Tested under the toughest industrial conditions, Larco's SureStep mat surface combined with our totally submersible design provides high reliability while reducing the risk of slipping on surfaces covered with grease and oil.

# Mat Specifications

## Electrode Assembly

- Normally open switch
- High-durability 24-gauge steel
- Standard 18-gauge, 4-wire, single-jacketed lead wires and optional application-specific wiring options
- Hermetically encapsulated switch and lead wires
- Designed to meet IP67 and NEMA 6
- Water-tight and totally submersible

## Outer Shell

- Proprietary molded vinyl
- Shore A hardness 72  $\pm$  2
- Dielectric strength-300 volts/mil.
- Ribbed to prevent slipping, aggressive non-skid SureStep surface available
- Variety of colors
- Monogram, logos and lettering capabilities

## Load Capacity

- 3,000 psi

## Temperature Range

- -35 degrees F to 120 degrees F  
(-37° C to 49° C)

## Activation Sensitivity

- 3-5 lbs. in normal foot traffic

## Chemical Resistance

- Good Resistance to
  - Mineral Acids
  - Organic Acids
  - Alcohols
  - Aldehydes
  - Caustics
  - Petroleum Solvents & Oils
- Not Recommended for
  - Organic Solvents
  - Chlorinated Solvents

For a complete chemical resistance chart, contact Larco directly.

## Applicable Standards

- Designed to meet or exceed ANSI B11.19-1990 Machine Tool Safety Standards, OSHA 1910.212 General Machine Guarding Standards and RIA R15.06 Robotic Safety Requirements. CE-certified products also available for export.

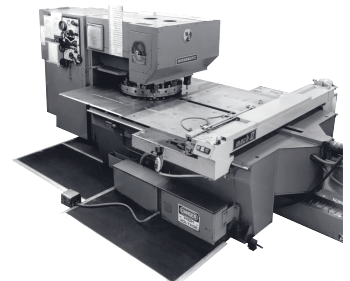


Larco mats are not only impact resistant, but they also can withstand frequent forklift traffic.

# Applications

Larco Industrial Safety Mat Systems have been used to successfully reduce hazards in a number of industries in machine point-of-operation, area and perimeter guarding applications, including:

- Robotic Welding
- Laser Welding/Cutting
- Water Jet Machines
- Pick and Place Robots
- Plastics Molding Machines
- Assembly Machines
- Automated Material Handling
- Packaging Machinery
- Textile Machinery
- Conveyers
- Paper Converting Machinery
- CNC Punches & Tube Benders



Larco safety mats and controllers have been used successfully in a number of applications, including CNC machines like the one seen here.

**Larco**  
An Acrometal Company  
ISO 9002 Certified



800-523-6996  
[www.larcomfg.com](http://www.larcomfg.com)

**Distributed By:**