

Key Considerations for Safety Mat Design



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General

1. Is the application a new layout? (if Yes skip to question 4) Yes No
2. Is the application replacing an existing design? (if No skip to question 4) Yes No
3. Does the previous mat design documentation exist? If so, Quote # _____ Yes No
4. Are the mats to be mounted on a level surface per the Larco mat installation guide? Yes No
(See detailed descriptions in Larco Industrial Safety Products Catalog, page 8 found [here](#) or on the Larco website*)
5. Will the mat system be used as a primary safeguard? Yes No
If yes, have safety distance calculations been completed? Yes No

Safety Mat Dimensions

6. Do the dimensions given include the trim? Yes No
7. Are there any critical dimensions that cannot be deviated from? Yes No
If yes, please list: _____

8. Are there any dimensions that can allow some deviation +/-? Yes No
If yes, please list: _____

9. Do you want us to quote as close as possible to the dimensions required, using standard mats? Yes No

Mat Features

10. Determine what type of mat surface is required from these options. (See detailed descriptions in Larco Industrial Safety Products Catalog, page 8 found [here](#) or on the Larco website*)
 Ribbed (standard) Comfort Step SureStep®
11. Define any special mat features required. (See mat options in Larco Industrial Safety Products Catalog, page 7 found [here](#) or on the Larco website*)
Color: Choose one Black (standard) Yellow (standard) Gray
 Red Blue Brown

Special Shapes: Notches Angle cuts Radii

Customization: Logos Lettering
Details: _____

* http://larco.com/downloads/Industrial_safety_catalog.pdf

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Wiring Options

12. Preferred cord location. End (width) _____ Side (length) _____
13. Specify the cord length requirements. (See wiring options in Larco Industrial Safety Products Catalog, page 7 found [here](#) or on the Larco website*)
- 20' long, single-jacketed, four-wire cord (standard) Custom length _____
14. Specify mat wiring connection type.
- 4-wire cord, fly leads (standard) 4-wire, quick-connect, 4-pin plug cord (optional)
- Quick Connect Tab (optional) (for placing mats in service) not recommended for wet applications

Trim

15. Specify trim style or combination of styles and define where they are located in mat layout. (See all Larco trim styles shown in Larco Industrial Safety Products Catalog, pages 10-12 found [here](#) or on the Larco website*)
- 2" ramp for foot traffic 2 ½" ramp used for forklift and cart traffic
- ¾" blunt edge for non-traffic areas along a machine face Other
16. Specify if cord raceways are required to protect the cords. (120" stock lengths only)
- 211525 - 3 conductor capacity 225710 - 7 conductor capacity
- Quantity _____
17. Specify if the Larco Labor Saver Self-Adhesive System is desired. Yes No
- (See Larco Industrial Safety Products Catalog, page 11 found [here](#) or on the Larco website*)

Controller Requirements

18. Has the location of the Larco controller been specified and referenced in the mat layout? Yes No
19. Specify controller input voltage. 110 VAC 24 VDC 230 VAC
20. Does the application require individual mat diagnostics? Yes No
- MAX Controllers – DIN rail mounting with single input
 - ZM Controllers – Self-contained standalone units with individual mat diagnostics (ZM3000 – 1-4 mats, ZM3008 – 1-8 mats)
21. How many mats are required for the application? _____

Chemical Resistance Information

22. Will the mats come into contact with chemicals? Yes No
- If Yes, call the ATEK Customer Care Team (CCT) at 800-523-6996 with the following information for verification.
- A copy of the MSDS for any chemicals that will come into contact with the mat regularly
 - The percentage of concentration and temperature of the chemical(s) when it comes into contact with the mat
 - The regularity of exposure: continuous, occasional or overspray
 - Chemical temperature during contact

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Safety Mat Layout

Scale 1.4" = _____ (please specify)

