



**A wheelchair ramp engineered to meet building code regulations**



## **Add-a-Ramp Technical Specifications**

Every effort was made to engineer and design Add-a-Ramp to ADA, ANSIA117.1, BOCA, Life Safety Code, OSHA, SBC, and UBC regulatory bodies. However, because local officials can establish special regulations you should review your installation with local authorities.

### **Ramp Specifications**

- Add-a-Ramp is designed for a slope no greater than 1:12 or one inch rise for every foot of ramp length.
- The clear width between handrails is 44 inches.
- All straight and curved ramp segments have a 2 inch high curb.
- All ramp segments, steps and landings have a molded in skid resistant surface. This surface is frequently used on marine products and diving boards.
- All straight ramps over 30 feet in length should have a 36" long level rest landing.
- All molded ramp components are manufactured from a high tech automotive grade fiberglass with molded ribs on the underside for stiffness.
- All ramps are height adjustable to accommodate site conditions.
- Add-a-Ramp is designed to always have handrails.
- All molded ramps have a slight crown in the center to prevent water accumulation.
- The ramps are designed to support a live load of 100 LBS/SQF and a concentrated load of 300 LBS.

### **Landings**

- Curved turn landings are always installed level and function as a landing.
- Curved turn landings are designed for easy wheelchair manipulation and have an inside dimension of 44 inches.
- Square top and turn landings are 60 inches x 60 inches.
- A rectangular turn landing is 60 inches x 120 inches.
- All landings have height adjustment to accommodate site conditions.
- The landings have a slight crown to prevent water accumulation.
- The ramps are designed to support a live load of 100 LBS/SQF and a concentrated load of 300 LBS.
- All ramp segments, steps and landings have a molded in skid resistant surface. This surface is frequently used on marine products and diving boards.
- Top landings can have a higher handrail than the ramp or step handrail.
- The molded landings are manufactured from a high tech composite material with molded ribs on the underside for stiffness.

### **Ramp, Landing, and Stair Handrails**

- All handrails are continuous, even at switchback turns. Handrail junctions are made with a smooth round die cast aluminum connector designed for optimum user comfort.
- The clear space between any wall and Add-a-Ramp's handrail is always greater than 1 ½ inches.
- Handrails are offered in three heights 34, 38, and 42 inches.
- There is always an upper and lower handrail and the lower handrail can be located at any height during installation.
- Handrail termination at the steps and start ramp have a 12 inch diameter closed loop.
- Handrails butting up to the building are covered with a smooth, round top cap.
- Handrails are designed to not rotate within their fittings.
- Add-a-Ramp has a special outdoor mesh fabric that is used to fill the open space between the upper and lower handrail. This design is superior to typical fence slat constructions, because instead of a 4 inch minimum opening the mesh fabric has no openings.

- The handrail is 1.5 inches in diameter.
- Handrails are designed to support a concentrated load of 200 LBS applied at any point and in any direction and a uniform load of 50 LBS/SQFT applied in any direction, but not applied simultaneously.
- All handrails have an anodized finish for maximum oxidation protection.



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