

Safety Mat – Additional Technical Data

Chemical resistance:

- Mineral oil Very good
- Gasoline Fair
- Solvents Fair
- Diluted acids Good
- Water at 68F Very good
- Paraffin Very good

Weight: 4 lbs per square foot (approximate)

Thickness: 0.4" / 1cm

Reaction time: 20ms, mat only – excluding controller reaction time

Loading capacity: 2,900 lbs / sq. inch, max. 14,500 lbs / 15 sq. inch

Vehicle capacity: Solid rubber tire: 2,200 lbs / tire (1 metric ton)
Pneumatic tire: 4,400 lbs / tire (2 metric tons)

Operating life: More than 1 million times at the same position with test piece of 3.15" (80mm) diameter, with a force of 170lbf (76kg/ 750N) vertical down to the surface. Contact loaded with 24V/0.5A. Our tests show more than 3 million cycles.

Insulation strength: > 1500 VAC

Isolation class: IEC IP67

Inactive zone: 1-1/4" (32mm) on cable side, 3/4" (19mm) on other sides

Trim: Ramp trim ES-S: Aluminum
Machine side trim ES-SZ: Aluminum, not suitable for vehicle traffic

Materials: Silicone free
PVC free upon request



Please refer to our Safety Mat Brochure