

4/2004

Industrial Safety Solutions

**A Pedestrian Safety System to Increase
Facility Safety and Reduce Liability**

Increase Profits by Reducing Liability

65% of all lost workdays are due to slip-fall accidents.

Source: Liberty Mutual

People face many hazardous conditions in an industrial facility, and accidents will occur. These accidents can cost industrial facilities millions of dollars per case if a jury determines that the person's injury was caused by the management's negligence. In an industrial

facility, there is danger such as a forklift, hitting a piece of machinery, or even being caught in a piece of equipment. Management must take reasonable measures to keep people safe from foreseeable dangers.

22% of slip/fall injuries resulted in more than 31 days away from work

Source: US Bureau of Labor Statistics 2002

- Workman's Compensation rates are **increasing** on the average of **14%** per year. **85%** of Workman's Compensation claims, in the industrial sector, are attributed to employees **slipping on slick floors**.
- The average premises liability verdict in the industrial sector is **\$280,300**. This does not include attorney fees. These costs directly affect the company's bottom line profitability.
- An industrial facility's **first line of defense** against expensive litigation is the installation, documentation and use of a **comprehensive pedestrian safety system**.



Statistical Trends in Industrial Facility Litigation

85% of workman's Compensation claims, in the industrial sector, are attributed to employees slipping on slick floors.

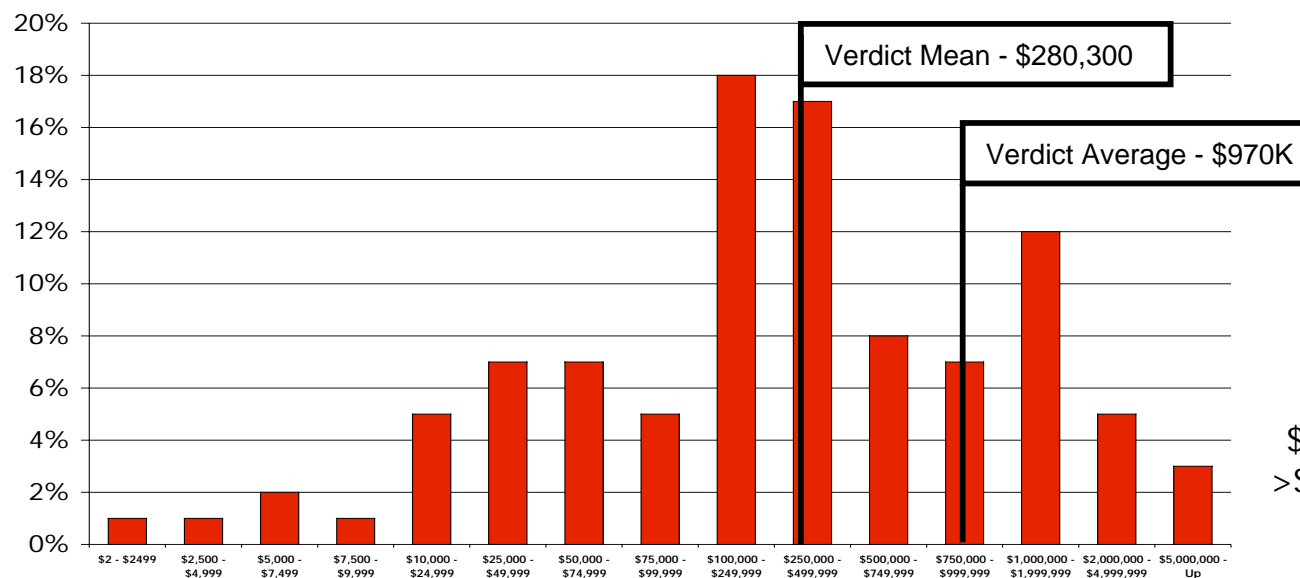
Case Study: Average savings over 5 years with prevention of just one slip and fall accident using Rubbermaid safety products*

Initial cost of Rubbermaid safety products:	\$8,434
Annual replacement cost (20% per year):	\$6,747 over 4 years
5 Year total product cost:	\$15,181 for 5 years
Median cost of 1 accident (see chart below):	\$280,300

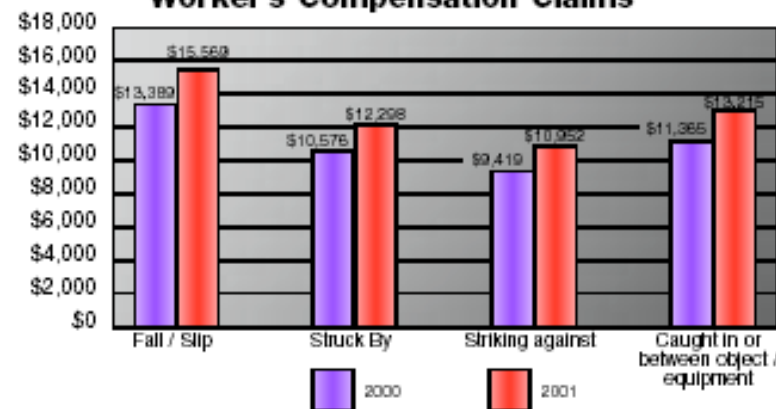
Savings with prevention of 1 accident: \$265,119

*Facility Used for Study: 180,000 sq. ft. manufacturing facility

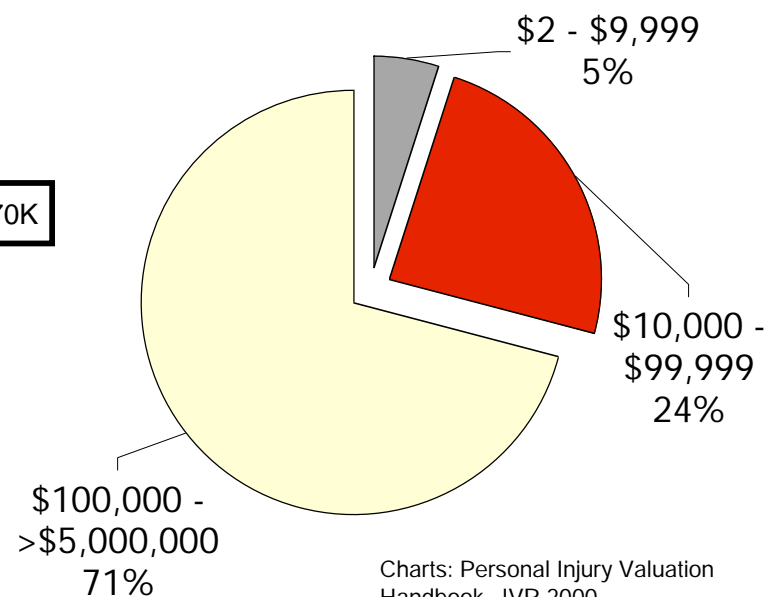
Award Distribution, Industrial Sector Claims Involving Premises Liability



Worker's Compensation Claims



Majority of Industrial Premises Liability Verdicts are Greater than \$200,000



Charts: Personal Injury Valuation Handbook, JVR 2000

Front Office Area

FACTS: Office building lobbies are very susceptible to slip and fall accidents. The floors are frequently polished surfaces (very slippery when wet), with a high volume of traffic. They receive traffic almost 24 hours per day. Pedestrians track in water and dirt on rainy / icy days, but will blame a cleaning crew if they slip and fall.



Stable Safety Sign



Mobile Barrier



Hanging Safety Sign



Site Safety Hanging Sign



Folding Safety Cone



Over-the-Spill Station Kit



Main Lobby Entrance

PROBLEMS:

- Water & dirt tracked in
- Going from interior to exterior walking surface
- Will blame cleaning crew on fall

SOLUTION:

Audio Guard with 36" Safety Cone: audible warning catches guests' attention and alerts them to hazards. 12 second message can be recorded.

Location	# in Building	Multiplier	Total Needed	Item #	Description	Placement Notes
Lobby Main Entrance		2		6289	Audio Guard with 36" Safety Cone	For wet / icy days & cleaning
Interior Entrances to Lobby		1		9S09	Stable Safety Sign	For bad weather & cleaning
Front Office Restrooms		2				Store in restroom / janitor's closet
		1		9S16	Site Safety Hanging Sign	Blocks doors when cleaning, store conveniently
Fire Extinguishers in Hallways		1				Mount 1 per extinguisher, above or beside
Office Break Room		2		9S07	Folding Safety Cone	Mount near waste container
		1				Mount near waste container
Reception Desk		1		4251	Over the Spill Station Kit	Mount behind reception desk
						Mount behind reception desk
Location	# in Building	# Floors	Total Needed	Item #	Description	Placement Notes
Stairwells- 4 signs per floor		2		6110	Hanging Safety Sign	Hang on railing & door knobs
Elevators- 1 sign per elevator / floor				9S09	Stable Safety Sign	Use when cleaning

Production Floor

FACTS: On the production floor, there are many hazards other than slips and falls. A pedestrian safety system can help reduce these risks by alerting workers to hazards ranging from dangerous intersections to exposed electrical wiring.



Intersections

PROBLEMS:

- Busy or dangerous intersections in plant
- Danger of employees being hit by fork lift.

SOLUTION:

Audio Guard with 36" Cone: Audible warning catches employee's attention and alerts them of hazard. 12 second message can be recorded.



Audio Guard with 36" Safety Cone



Stable Safety Sign



Mobile Fence



Mobile Barrier



Repairing Machines

PROBLEMS:

- Machines need repaired
- Electrical wiring is exposed

SOLUTION:

Mobile Barrier/ Mobile Fence: Maintenance crew can barricade area.

Location	Total Square Feet	Divide By	Total Needed	Item #	Description	Notes
Dangerous intersections in plant		40,000		6289	Audio Guard with 36" Cone	Place by intersection
Spread evenly throughout plant		5,000		9S09	Stable Safety Sign	Mount on columns & walls
Spread throughout plant		20,000		9S11	Mobile Barrier	13' long
Spread throughout plant		20,000		9S13	Mobile Fence	24' long

Production Break Rooms / Restrooms

FACTS: Break rooms are easy to overlook since they are not used by guests. Workplace injuries, however, are a real problem for employers. Properly notifying employees of safety hazards is essential for maintaining a safe workplace.



Employee Break Room

PROBLEMS:

- Difficult to store traditional plastic signs
- Spills in break room
- Track up clean floors, slip on wet floors

SOLUTION:

Folding Safety Cone: Cone is large and eye-catching when deployed, yet folds up and is stored in an compact 8" diameter shell.



Folding Safety Cone



Site Safety Hanging Sign



Stable Safety Sign



Over-the-Spill Station Kit



Restrooms

PROBLEMS:

- Employees walk past wet floor or restroom closed signs

SOLUTION:

Site Safety Hanging Sign: Sign mounted on telescoping pole that blocks door entrance.

Location	# in Building	Multiplier	Total Needed	Item #	Description	Placement Notes
Production Floor Restrooms		1		9S09	Stable Safety Sign	Store in restroom for wet floors & cleaning
		1		9S16	Site Safety Hanging Sign	Use when cleaning restrooms
Production Floor Break Rooms		2		9S07	Folding Safety Cone	Mount in easy to see location
		2		4251	Over the Spill Station Kit	Mount in easy to see location

Safety Equipment Audit

Average savings with prevention of 1 accident:
\$265,119

Products

Number

From previous
pages

Have

Products
already own

Total

Products
recommended



Audio Guard with
36" Safety Cone
Item # 6289

() - () =



Mobile Barrier
Item # 9S11

() - () =



Stable Safety
Sign
Item # 9S09

() - () =



Site Safety
Hanging Sign
Item # 9S16

() - () =



Over-the-Spill
Station Kit
Item # 4251

() - () =



Folding Safety
Cone
Item # 9S07

() - () =



Mobile Fence
Item # 9S13

() - () =

Probing Questions to Ask:

1. Do you have a consistent pedestrian safety training program with standardized products in place? Yes No

2. How many slip and fall incidents did you record last year?

3. Are you separately tracking all of the costs associated with safety? Yes No

4. What is the most hazardous area of the facility?

5. How long are spills on the floor before being cleaned?

6. Do you have a program to walk the facility to monitor spills/hazards? Yes No

7. Who is responsible for cleaning up spills on the production floors?

8. How many cleaning crews do you operate in the facility?

9. Do you currently use any rolling barricades in the facility?

10. Are there unique safety concerns in your facility?