

OSC 12
Ohio Safety Congress & Expo

WELL AT HOME. SAFE AT WORK.

274 Pedestrian and Workplace Safety Through Visual Floor Markings

Terry McHale

Thursday, March 29, 1:15 to 2:15 p.m.

Ohio Bureau of Workers' Compensation

Workplace Safety and Organization Through Visual Communication

Ten Years of Experience with the DuraStripe™ Brand

Safety Standards

- **OSHA 1910.45** – Requires hazards to be marked, but includes only a limited application of standards

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Safety Standards

- **ANSI Z535** – Codifies design and text standards, but has no enforcement authority, and is purely voluntary

ANSI Z535 Layout Standards

▲ DANGER	▲ WARNING	▲ CAUTION
Optional Symbol Panel	Optional Symbol Panel	Optional Symbol Panel
Word Message Panel	Word Message Panel	Word Message Panel

ANSI Z535 Decision Tree

		Probability of Accident if hazardous Situation is not Avoided	
		WILL	COULD
Probability of Death or Serious Injury if Accident occurs	WILL	▲ DANGER	▲ WARNING
	COULD	▲ WARNING	▲ WARNING

If Worst Credible Severity of Harm is Death or Serious Injury.

If Worst Credible Severity of Harm is Moderate or Minor Injury.

For all Probabilities: **▲ CAUTION**

If Worst Credible Severity of Harm is Property Damage.

Preferred → **NOTICE**

Alternate → **CAUTION**

Ten Years of Experience with the DuraStripe™ Brand

- A decade of evolution and growth in the DuraStripe line has largely resulted from developing products that meet the marking needs of a variety of Kaizen and similar factory floor lean management programs.

Chronological Evolution of Product Development

- Icons
- Colors
- Adhesive and material options
- Multiple widths to 36"
- Large format signage
- Hazard striping
- Glow-in-the-dark product
- Full color in-line printing

Marking Considerations for Lean Programs

- Simplicity
- Flexibility
- Practicality

Simplicity

- The goal is clear, easily understood visual communication.
- Comprehensive standards and clarity can become mutually exclusive objectives.
- Resist the urge to attach a color and an icon to every activity and concept – just because you can!

Flexibility

- The goal is continuous improvement.
- Change is expected, encouraged and desirable.
- In an ongoing evolutionary process there is no "Getting it right this time".
- Tools and standards must be consistent with these objectives.

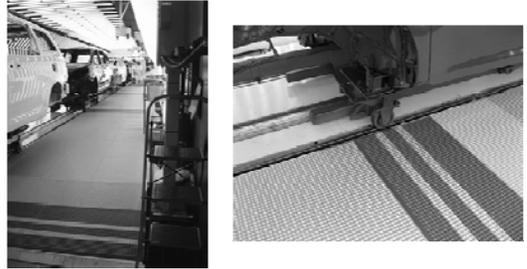
Practicality

- Solve problems simply, flexibly and creatively.
- Work within the realistic constraints of the environment.
- Changing the culture is a noble objective, but fighting the floor is always going to be a losing battle !

Practical Solution – Side STOP



Practical Solution – Pitch or Takt Time



Practical Solution – Pedestrian Safety



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