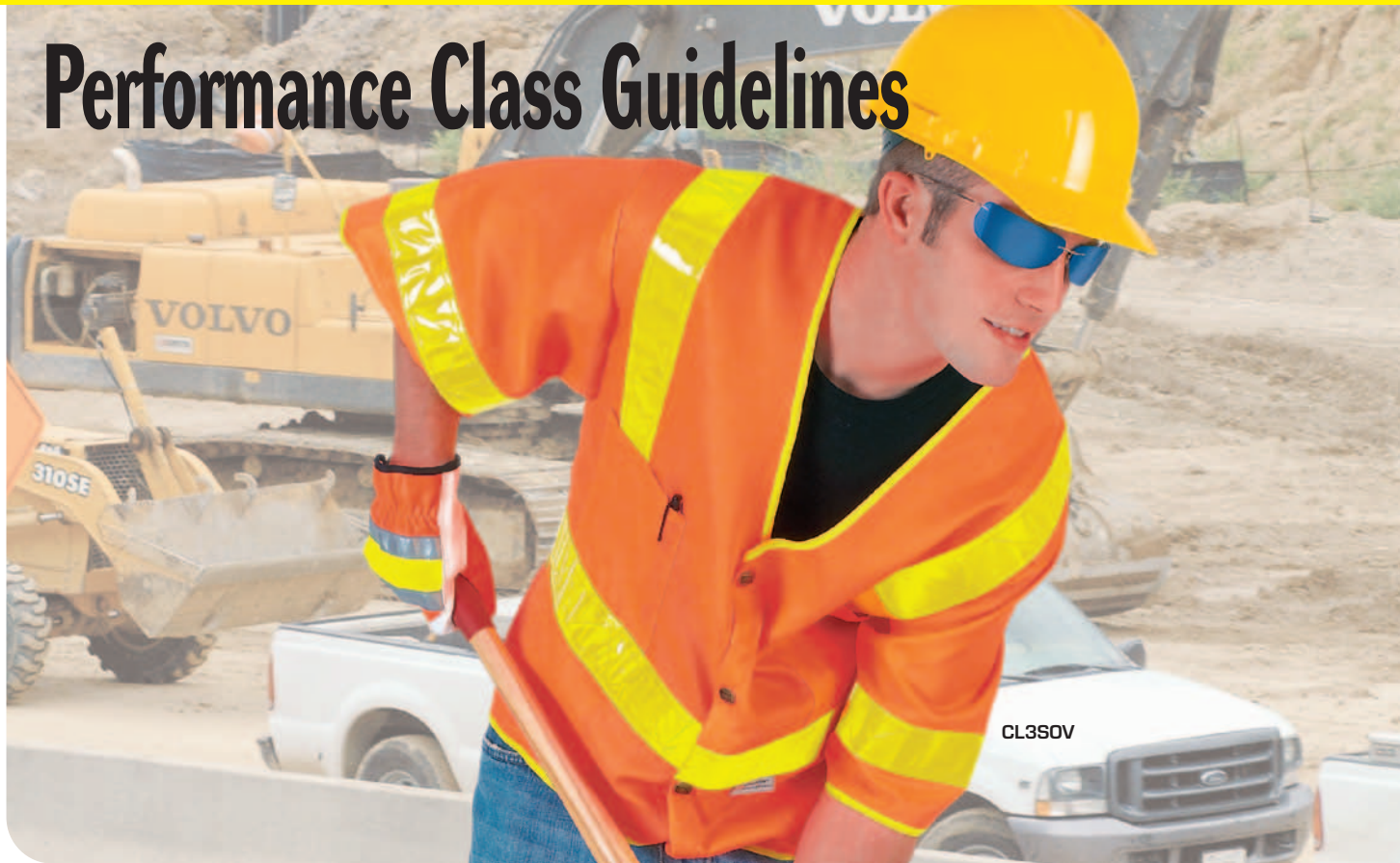


Performance Class Guidelines



Protective Clothing

The new ANSI/ISEA 107-2004 Standard (approved September 2004) which governs High Visibility Safety Apparel and Headwear is voluntary. It is important to understand the recommendations of the ISEA in conjunction with the mandates and directives of the different states and municipalities where we work to make sure that we are following the instructions and rules. The Classes under the old 1999 standard were specifically tied to speeds in the work zone. Under the new 2004 version, speed is no longer the controlling issue. The classes are now referred to as "Performance Classes" and are tied to the "...minimum area of the materials to be incorporated." Simply put, the more background and reflective material used, the better your chances of being seen, thus the better performance class.

Speed is no longer the controlling issue.

The "new" 2004 standard disregards speed & distance and says that a Class 1 vest should have a minimum of 217 square inches of background material and 155 square inches of retro reflective material. A Class 2 vest should have a minimum of 775 square inches of background material and 201 square inches of retro reflective material. A Class 3 garment should have a minimum of 1240 square inches of background material and 310 square inches of retro reflective material. The new Class 3 standard also says that we need to exceed Performance Class 2 "... by the enhancement of background and reflective materials to the arms and / or legs. Regardless of the area of materials used, a sleeveless garment or vest alone shall not be considered Performance Class 3." In other words, Performance Class 3 garments must have sleeves.

material. The new Class 3 standard also says that we need to exceed Performance Class 2 "... by the enhancement of background and reflective materials to the arms and / or legs. Regardless of the area of materials used, a sleeveless garment or vest alone shall not be considered Performance Class 3." In other words, Performance Class 3 garments must have sleeves.

Quick Look at New "Performance Classes"		
Category	Minimum Material Required	Additional Considerations
General Purpose	None	None
Class 1	217 sq. in. Background Material 155 sq. in. Retro Reflective	None
Class 2	775 sq. in. Background Material 201 sq. in. Retro Reflective	Must be identifiable as a person at 1280 feet distance minimum
Class 3	1240 sq. in. Background Material 310 sq. in. Retro Reflective	Must exceed Class 2 standards Must have sleeves

*NOTE: Every state specifies the particular performance class and color that state will use in areas the state controls.



How to pick the right vest?

We need to understand that it is not just about speed, distance, pattern or color, but it is about being able to recognize and identify a worker as a person in a work zone.

Note: It is the intention of these Performance Class Guidelines and Scenarios to serve as an assessment tool only. Certain, specific conditions such as atmospheric, sight/stop-distances, training, regulations, proximity, etc. must be taken into account in the final hazard/safety assessment. Vehicle speed should not be considered in isolation to these variables. Extreme conditions might exist which require performance levels in excess of Class 3. PPE should be selected to optimize color conspicuity between the wearer and the work environment.



Your First Choice for PPE™

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 Memphis, TN 38118
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Suggested Performance Class Guidelines

General Purpose Protection Work Conditions

General purpose vests do not meet the requirements for performance level classification by ANSI standards. For occupational activities where Class 1 protection is not necessary. Designed to give the wearer additional visual conspicuity beyond that of normal attire.

Examples of Industry Usage of General Purpose Class:

- Crowd control
- Construction
- Yard maintenance workers
- Parking lot attendants
- Warehouse workers

Class 1 Protection Work Conditions

For occupational activities which permit full and undivided attention to approaching traffic, with ample separation of the pedestrian worker from conflicting vehicle traffic while giving optimum conspicuity in backgrounds that are not complex and where vehicles and moving equipment speeds do not exceed 25 mph.

Examples of Industry Usage of Class 1:

- delivery vehicle drivers
- workers retrieving shopping carts from parking areas
- roadside "right-of-way" or sidewalk maintenance workers
- workers directing vehicles to parking/service locations
- those exposed to the hazards of warehouse vehicles

Class 2 Protection Work Conditions

For occupational activities where risk levels exceed those of a Class 1, such as where greater visibility is desired during inclement weather conditions, and complex backgrounds are present; where employees are performing tasks which divert attention from approaching vehicle traffic; and the vehicles or moving equipment speeds exceed 25 mph; or work activities take place in closer proximity to vehicle traffic.

Examples of Industry Usage of Class 2:

- roadway construction workers
- utility workers
- survey crews
- railway workers
- forestry workers
- school crossing guards
- parking and/or toll gate personnel
- airport baggage handlers/ground crew
- emergency response personnel
- law enforcement personnel
- accident site investigators

Class 3 Protection Work Conditions

For occupational activities where risk levels exceed those of a Class 2, such as where workers are exposed to significantly higher vehicle speeds and/or reduced sight-distances while the worker and vehicle operator have high task loads, clearly placing the worker in danger. Class 3 could also be used in applications where the wearer must be conspicuous through the full range of body motions at a minimum of 1280 feet (390 Meters) and must be identifiable as a person.

Examples of Industry Usage of Class 3:

- roadway construction personnel
- utility workers
- survey crews
- emergency response personnel
- flagging crews



V211R

General Purpose, Polyester Mesh Safety Vest, tab closure and elastic side straps 3/4" Lime Stripes
 Fluorescent Orange 1 size

MCR Safety does not carry Class 1 offerings. We suggest the use of Class 2 offerings for any Class 1 requirement.



SURVO

Class 2, Polyester Safety Vest, 3" Lime/2" Silver Stripe
 Fluorescent Orange L-X4

LUMINATOR™

All of the MCR Safety Class 2 and Class 3 vests fall into the Luminator Hi-Vis Product line.



CL3SOV

Class 3, Polyester Safety Vest, 2" Lime Vinyl Stripe
 Fluorescent Orange L-X4

Hi-Vis