

HIGH-VISIBILITY CLOTHING

PROTECTING YOUR CREW IN HIGH TRAFFIC, LOW LIGHT AND INCLEMENT WEATHER



BECAUSE YOU TAKE **SAFETY** PERSONALLYSM

High-visibility clothing helps distinguish workers from their environment.

Basic high-visibility garments include three components: background material, retroreflective material (bands that reflect light back to its source) and combined-performance material (retroreflective and fluorescent material that may separate the two). The color of the background material and the combined-performance material can either be fluorescent yellow-green or fluorescent orange-red. Combined-performance material is considered part of the background for purposes of total area required.

ANSI/ISEA 107-2010, the American National Standard for High-Visibility Safety Apparel and Headwear, specifies three classes of high-visibility garments based on the wearer's activities. Garment classes are differentiated by the amount of background material required, the width of the retroreflective material used and garment design.

	WEARER/ACTIVITIES	GARMENT CLASS TYPE
CLASS 1	For work in areas where traffic does not exceed 25 mph and there is ample separation from the traffic. Often includes parking service attendants, warehouse workers in traffic, shopping cart retrievers and those doing sidewalk maintenance.	Garment must be relatively conspicuous, with background material equal to 217 inches in total area and retroreflective bands not less than 25mm wide.
CLASS 2	For work near roadways where traffic exceeds 25 mph and for those who need greater visibility in inclement weather. In general, railway workers, school crossing guards, parking and toll gate personnel, airport ground crews and law enforcement personnel directing traffic.	Greater visibility than Class 1 garments. Background material must equal 755 inches and retroreflective bands are a minimum of 35mm wide.
CLASS 3	For work with high task loads in a wide range of weather conditions where traffic exceeds 50 mph. Recommended garments for all roadway construction personnel, vehicle operators, utility workers, survey crews, emergency responders, railway workers and accident site investigators.	Highest level of conspicuity, offering superior visibility. Background material must total 1240 inches. Garment must have sleeves with retroreflective material between the shoulders and elbows. Retroreflective bands shall not be less than 50mm wide.
CLASS E	When high-visibility pants are worn without other high-visibility garments, they are considered Class E. When pants are added to Class 2 or 3 garments, the ensemble is considered Class 3.	

Source: Grainger Quick Tips[®] Technical Resources No. 153, High-Visibility Clothing Standards



Class 1



Class 2



Class 3



The Grainger Choice badge signals a broad selection of products that deliver quality and value, brought to you by Grainger.

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