

# ANSI 107/207 Made Easy: Performance Class 1, 2, and 3 Guidelines

## ANSI 107 CONSPICUITY Class 1

Background Material 217 in2 (0.14 m2); Reflective 155 in2 (0.10 m2)  
 Permit full and undivided attention to approaching traffic;  
 Provide ample separation of the pedestrian worker from vehicle traffic;  
 Permit optimum conspicuity in backgrounds that are not complex; and where;  
 Vehicle and moving equipment speeds not exceeding 25 mph.

### Examples of workers who could work in this class may include:

- Workers directing vehicle operators to parking/service locations;
- Workers retrieving shopping carts from parking areas;
- Workers exposed to the hazards of warehouse equipment traffic;
- Roadside "Right of Way" or sidewalk maintenance workers & delivery drivers.

## ANSI 107/207 CONSPICUITY Class 2

ANSI 107 Background 775 in2 (0.50 m2); Reflective 201 in2 (0.13 m2)  
 ANSI 207 Background 450 in2 (0.30 m2); Reflective 201 in2 (0.13 m2)  
 Greater visibility is desired during inclement weather conditions;  
 Work Tasks/Emergencies divert attention from approaching traffic;  
 Vehicle or moving equipment speeds exceed Class 1 (25 mph); or  
 Work activities take place in or near proximity to vehicle traffic.

### Examples of workers who could work in this class may include:

- Roadway construction workers • Utility workers • Survey Crews
- Railway Worker • Forestry Workers • School Crossing Guards
- Parking or Toll Gate Personnel • Airport Baggage & Ground Crew
- Law Enforcement • Emergency Response Personnel • Accident site investigators

## ANSI 107 CONSPICUITY Class 3

Background Material 1240 in2 (0.80 m2); Reflective 310 in2 (0.20 m2)  
 Workers are exposed to high vehicle speeds and/or reduced sight distances;  
 Worker and vehicle operator have high task loads, clearly placing the worker in danger; or  
 Wearer must be conspicuous through the full range of body motions at a minimum of 390 meters (1280 feet) and must be identifiable as a person.

### Examples of workers who could work in this class may include:

- Roadway construction personnel • Utility workers • Survey crews
- Emergency response personnel • Flagging Crews • DOT Crews

## Sample Vests & Ensembles



Part # 97505  
 ANSI 107  
 Class 1 See  
 Page 20



Part # 97543  
 Class 1 Mesh  
 Summer Vest  
 See Page 14



Part # 8015-8016  
 Cruiser ANSI 107  
 Construction  
 Class 2 Vests  
 See Page 26



Part # 8383 ANSI  
 207 Break-Away  
 Response Vests  
 See Page 49



Part # 86535 or 86536  
 ANSI 107 Class 3 All  
 Season DOT Vest  
 See Page 23



Part # 8090  
 ANSI 107 Class  
 2 Vest & Class E  
 Pants Ensemble  
 See Page 21

Note: It is the intention of these Performance Class Guidelines and Scenarios to serve as a rudimentary assessment tool only. Certain specific conditions such as atmospheric, sight/stop distances, training, regulations, proximity, must be taken into account in any 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. Photos are used for illustration only, as examples of Class 1, 2, and 3 ANSI High Visibility Garments.

**DISCLAIMER:** This summary and appendix is provided for Vinatronics sales and customer service informational purposes only. Please refer to the original MUTCD, OSHA, ANSI, NFPA, and ASTM documents and all supporting Appendixes for complete information on compliance. As a technical summary, the completeness and/or accuracy of this information is neither expressed nor implied.

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