

Specifications  
For  
Safety Vests - Non-Logo and DOT Logo  
Revised February 2024

General

All materials must meet ANSI/ISEA 107-2020 National Standards and must have third party certification. All garments must be compliant with ANSI/ISEA 107-2020 National Standards for Class 2 Type R and Class E high visibility garments.

The approved brand indicated has been used or tested and has proved to be satisfactory for the specific work environment. Substitutions will be evaluated for suitability based on quality of item and adherence to specifications listed. Deviations may be accepted if they do not materially alter the product.

Specifications:

The following specifications outline the high visibility garment requirements for enhancing worker visibility while working in or adjacent to motor vehicle traffic. The performance and design criteria of the garment are established to address a wide range of lighting and environmental conditions encountered in the work setting such as twilight, overcast, rain, daylight, or night. The garment is also designed to meet or exceed any existing worker safety standards such as OSHA, ANSI/ISEA 107-2020, ASTM, or MUTCD.

**Vest Construction:**

- Fabric – Must meet ANSI-ISEA-107 2020 standards and have third party certification.  
*Performance Textile, Hanes Die and Finishing* or approved equal.
- All materials shall be durable and home launderable.
- Home launderable care will be obtained from the care label on the product.
- Garments must fit comfortably.

High Visibility Vest Material:

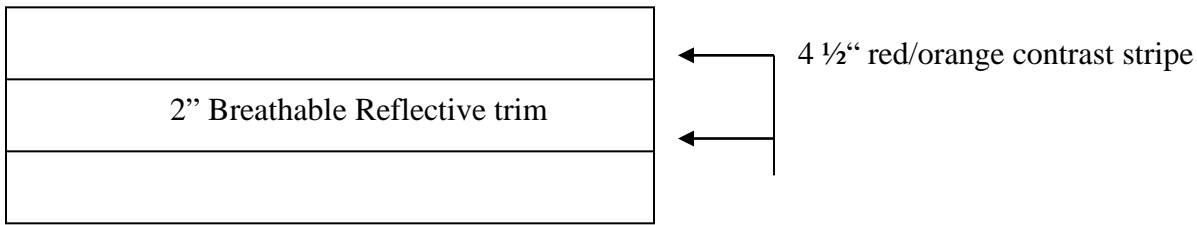
- 100% polyester ANSI/ISEA 107-2020 compliant breathable 3.5 oz./yd (+-.2 oz.) 70 denier bright trilobal polyester (mesh like material).
- Fluorescent yellow-green color.
- Vest shall have a reflective ½” folded edge bias binding on entire vest to better outline the shape of the body.
- 2” Reflective binding for added visibility.
- Material must meet ANSI-ISEA-107 2020 standards and have third party certification.

Vest Contrast Stripe Material:

- 4 ½” wide 100% polyester breathable 3.5 oz./yd. (+.2 oz.) 70 denier bright trilobal polyester (Mesh like material).
- Fluorescent orange-red color, piece-dyed for stability.
- Material must be sewn or heat applied onto vest on front and back as shown on design section drawings.
- Material must meet ANSI/ISEA 107-2020 standards and have third party certification.

## Vest Reflective Material

- Reflective trim shall consist of a 2” **breathable** reflective material, sewn to ANSI compliant background material. Reflective material shall be certified to at least 25 home washes.  
AIREX Breathable Reflective Trim, 3M Scotchlite or Comfort Trim #5510 or approved equal.
- Retroreflective brilliance shall be measured by testing procedures established by ASTM E809 and E810 and CIE 54: 1982.
- Reflective trim shall be 2” wide.
- Reflective trim shall be sewn, to the orange-red contrast stripe material on the vest on front and back as shown in design section drawings.
- Material must meet ANSI/ISEA 107-2020 standards and have third party certification.



### Vest Labeling:

- Each garment piece (vest) shall have a care and content label on the inside back center of the garment.
- Label will contain the following minimum information of size, care instructions. Must be to ANSI/ISEA 107-2020 standards.

### Vest Closures:

- Hook and Loop closure (Only) – heavy-duty, fluorescent yellow-green color.
- Pockets- 1 Left chest expandable phone pocket with tab hook and loop closure 3 1/2”W x 6”L. Two lower front pockets with hook and loop closure 6 1/2”W x 8”L and 1 inner right chest pocket 5 1/2”W x 6 3/4”L.
- Mic Tab on upper left shoulder sewn on vest with a 2” opening.
- Logo Ready
- Type R Class 2 (Intended for Roadway occupational use) Necessary for workers exposed to traffic traveling over 25mph and who work against complex background.

### Vest Sizing:

<u>Size</u>	<u>Chest</u>	<u>Length</u>	<u>Arm Hole</u>	<u>Side Vent Width</u>
Small	38”-40”	27”- 29 3/4”	28”	5”
Medium	41”-43	27”-30 3/4”	28”	5”
Large	44”-46”	27”-28 3/4”	28”	5”
X-Large	44-46”	27”-27 3/4”	28”	6”
2X-Large	48-50”	27”-27 3/4”	28”	6”
3X-Large	52”-54”	27”-27 1/2”	28”	