



NORTH

**TRAFFIC
SAFETY**

PRODUCTS



High Visibility

TRAFFIC SAFETY



TVA2/I 5NZ/L



TVA3/2NZ/O

ANSI / ISEA 107

COMPLIANT TRAFFIC VESTS

Vests meet or exceed the ANSI/ISEA 107-2004 High Visibility Standard, provides your worker 360° visibility. Features: two color choices (hi-viz orange or yellow/green), 100% polyester fabric, North-Brite™ retro-reflective tape*, zipper closure, and same color fabric binding. (Sizes L-3XL)

Class 2

1.5" North-Brite retro-reflective stripes, 2 vertical stripes on front and back, 1 horizontal stripe on waist.

TVA2/I 5NZ/O: orange

TVA2/I 5NZ/L: yellow/green

2" North-Brite retro-reflective stripes, 2 vertical stripes on front and back, 2 horizontal stripes on waist.

TVA3/2NZ/O: orange

TVA3/2NZ/L: yellow/green

NORTH-BRITE™ REFLECTIVE VESTS

Hi-Viz, 100% polyester mesh, 2" North-Brite retro-reflective vertical stripes on front and back, elastic sides, 3" front hook & loop closure, black binding trim. (one size)

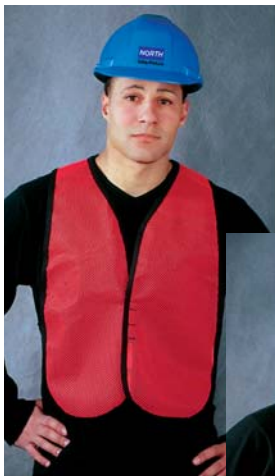
TV55RS/IS: 1" tape, orange

TV55RS/ISLY: 1" tape, yellow/green

TV55RS/1.5S: 1.5" tape, orange

TV55RS/2S: 2" tape, orange

TV50RSTA: 2" tape, orange, "tear away" hook & loop on shoulder and sides for quick release (Also available in XL)



TV50



TV55RS/IS

ECONOMICAL MESH TRAFFIC VESTS

Hi-Viz orange mesh, 100% polyester, elastic sides, 3" front closure, black binding trim.

TV50: regular

TV50XL: x-large

Hi-Viz orange or yellow/green fine mesh vest, 100% polyester, 1" silver retro-reflective vertical stripes on front and back, elastic sides, 3" front hook & loop closure. (one size)

TVI 5RSC: orange

TVI 5RSC/LY: yellow/green

Hi-Viz orange mesh traffic vest, 100% polyester, 2" yellow/green retro-reflective vertical stripes on front and back, elastic sides, 3" front hook & loop closure, black binding trim. (one size)

TV30RS

**North-Brite is a prismatic vinyl tape offering greater reflectivity with its omni-angular reflective properties. Omni-angular means that light is reflected back to the viewer from a greater angle than the straight-on properties offered by other tapes on the market.*



The unique design of the North-Brite prisms reflect light from more angles for the safety of workers who are constantly moving; the worker's safety is enhanced with North-Brite.

NORTH Safety Products

PRODUCTS

TRAFFIC T-SHIRTS

100% cotton, bright orange short sleeve t-shirt with 2 retro-reflective vertical stripes on front, 2 retro-reflective horizontal stripes on sides and "X" on back. (Sizes S - 2XL)

TV35TS



TV35TS

RAINWEAR

3-piece flame retardant rainsuit, 100% PVC, yellow, resistant to abrasions and tearing, includes bib pants, jacket and hood. (Sizes S-3XL)

85JPH Series: 35 mil, polyester backing

45 Series: 22 mil



85JPHL

BARRICADE TAPE

Dispenser Box: 3" X 1000'

CT3YE1: yellow, "CAUTION"

CT3YE2: yellow, "CAUTION, DO NOT ENTER"

CT3YE5: yellow, "CAUTION, BURIED CABLE"

CT3RE8: red, "DANGER, DO NOT ENTER"

CT3RE9: red, "DANGER"

Bulk Packaging: 3" X 300', 24 rolls/case

CT3YE1/300N: yellow, "CAUTION"

CT3YE2/300N: yellow, "CAUTION, DO NOT ENTER"

CT3RE8/300N: red, "DANGER, DO NOT ENTER"

CT3RE9/300N: red, "DANGER"



CT3YE1

FLAGS/ARMBANDS

FLA18: Hi-Viz orange, PVC/nylon, tear proof, 18" x 18", with dowel sleeve (dowel not included)

XG4: Wooden dowel

SCS14: Nylon armband, North-Brite retro-reflective stripe, velcro closure



SCS14

TRAFFIC CONES

Hi-Viz orange injection molded LPDE (Low Density Polyethylene) able to withstand wide temperature ranges, -68°F to 122°F, UV protected, excellent elasticity, resistant to environmental stress, cracking and fading.

I617/I2: 12" H, 13 oz.

I617/I83C: 18" H, 3" base, 3lbs.

I617/287C: 28" H, 7" base, 7lbs.

CC4: North-Brite Retro-Reflective Cone Collar, slip-on, 4"

CC6: North-Brite Retro-Reflective Cone Collar, slip-on, 6"



CC4

CC6

I617/I83C

I617/287C

American National Standard for High-Visibility Safety Apparel ANSI / ISEA 107

Summation of Standard

The American National Standard for High-Visibility Safety Apparel, ANSI / ISEA 107 was developed to afford some minimum design and performance requirements for the visibility of apparel to be used under any light conditions by day and under illumination by vehicle headlights in the dark.

The standard requires specific brilliance and colors for garments. These colors can be, fluorescent yellow-green, fluorescent orange-red and fluorescent red. There is also a minimum requirement area or size of the background color. Also specified is the performance and size of the retroreflective materials used for headlight visibility. The exact design of the retroreflective stripes is not specified, although recommended.

There are three classes of apparel specified in the standard. They are referred to as Conspicuity Classes and are defined as follows:

- **Class 1** - Conspicuity level for use in occupational activities which: permit full and undivided attention to approaching traffic; provide ample separation of the wearer from vehicular traffic; permit visibility in backgrounds that are not complex; or where vehicles and equipment do not exceed 25 mph. (Parking lot and warehouse environments)
- **Class 2** - Conspicuity level for use in occupational activities which: greater visibility is desired during inclement weather; involve complex background; divert attention from approaching traffic; take place in or near vehicular traffic; or where vehicles and equipment do not exceed 50 mph. (Workers in urban and suburban areas including road construction, utility and survey crews, emergency response personnel, traffic police and railway workers)
- **Class 3** - Conspicuity level for use in occupational activities which: require visibility during a full range of body motions from a distance of 390m (1280 feet); take place in vehicular traffic; or where vehicles and equipment exceed 50mph. (Workers on highways/freeways including road construction and maintenance utility and survey crews, emergency response personnel and railway workers)

The standard suggests that the choice of apparel class be based on the Conspicuity class, which represents continuous exposure or the highest intermittent exposure of insufficient conspicuity of ordinary clothing worn by workers exposed to the hazards of low visibility regardless of the time of day. The major issue circles around objects that are visible but are not consciously recognized by the vehicle operator with enough reaction time to avoid an accident.

Frequently Asked Questions

1. Is this a new Standard?

ANSI / ISEA 107 is a voluntary consensus standard. Before this standard was adopted in June of 1999 there was no uniform standard in place in the United States. The latest edition is 2004.

2. What is OSHA's position on this Standard? Are your vests approved by OSHA?

OSHA is a strong advocate of the standard and encourages industry to voluntarily purchase product that is compliant with the standard. OSHA refers to ANSI / ISEA 107 as a way for employers to comply with the requirement to provide enhanced visibility garments. OSHA does not approve products.

3. Why is so much background material and retroreflective material needed on the new vests? This greatly increases the cost of the vests.

The great variations in visibility caused by day, night and all light conditions make it necessary to increase the amount of background material and retroreflective materials to ensure that your workers are seen at all times. This increase in material also gives a 360 degree visibility of the wearer.

4. Does open weave or mesh meet the background materials requirement for the standard?

All background materials must meet performance requirement standards. Clothing worn underneath will greatly affect the performance of a mesh vest. Therefore, it would be very difficult for an open weave or mesh vest to be compliant with the standard. However, the ANSI / ISEA 107 is a Performance Standard and does not exclude any particular fabric.

5. There are no ANSI Compliant vests available in smaller sizes for the smaller worker. What can the smaller worker wear?

ANSI / ISEA is addressing the issue now since at the present time, there are no vests available in the smaller sizes. One could pin or alter the larger vests, but by doing this, the vests would not be in compliance.

6. Are your vests ANSI Compliant?

Our new vests, TVA2 & TVA3 series, are ANSI compliant.