

Quick Check Guidelines for ANSI/ISEA 107–2010 Class 2 Garments

Vest Configurations

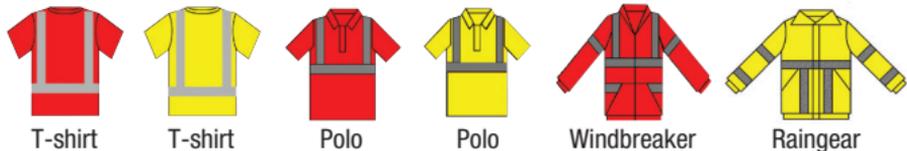


Examples of compliant designs

As a standard for total garment design, ANSI/ISEA 107-2010 requires:

- Garment fabric must be fluorescent
 - Red/orange or
 - Lime/yellow
- It must have 201 in.² of retroreflective trim and 775 in.² of fluorescent background material.
- Reflective trim must provide 360° visibility – with horizontal gaps of 50 mm or less.
- Garments without reflective on the sleeves must have 23.25in² of reflective material in the shoulder area.
- Flame resistant garments must also comply with ASTM F-1506, ASTM F1891-06, ASTM F2302-08 or ASTM F2733-09.

Apparel Configurations



T-shirt

T-shirt

Polo

Polo

Windbreaker

Raincoat

Examples of compliant designs. Jackets are Class 3.

Above items represent many, but not all “compliant” scenarios.

Examples of Non-Compliant Designs



These items represent many, but not all “non-compliant” scenarios.

What ANSI 107 Garment Class does MUTCD 2009 require?

For all workers, including emergency responders, within the right-of-way who are exposed either to traffic or to work vehicles and construction equipment within a Temporary Traffic Control zone, MUTCD 2009 Section 6D.03 requires Class 2 or Class 3 garments of ANSI-107- 2004 or equivalent revisions, such as ANSI 107-2010, if labeling requirements are met. Specific alternative options for emergency and incident responders and law enforcement personnel are included in 6D.03 paragraph 05 and paragraph 08. For Flaggers, Section 6E.02 requires ANSI 107-2004 Class 2 or 3.

When in Doubt: Look in the garment for the ANSI/ISEA 107-2004 or 2010 label*

FR garments should include FR standard

Label to include
Garment Care Guide

This summary does not represent official, legal, or complete interpretations of the standard. If specific questions arise, the standards themselves should be referred to and relied upon.

XYZ Manufacturer
ANSI/ISEA 107-2010
and ANSI/ISEA 107-2004
100% Polyester
3M™ Scotchlite™ Reflective Material
Model #: Hi Vis Vest
Size: Large



Class 2

Level 2

FR- ASTM F1506-08
Washing Instructions



Wash warm Max 25 cycles
Do not bleach
Tumble dry low
Do not iron
Do not dry-clean

Should identify vest maker and that it meets both ANSI/ISEA 107-2004 or 107-2010*

Must identify design class and brightness level

*Garments labeled as ANSI/ISEA 2010 may be used as long as the design is equivalent to ANSI/ISEA 2004 requirements. Consult standard for additional information.

3M

Occupational Health and
Environmental Safety Division
3M Protective Apparel and
Footwear Market Center

3M Center, Building 0235-02-F-06
St. Paul, MN 55144-1000
800-328-7098
Scotchlite.com

3M Canada

P.O. Box 5757
London, Ontario N6A 4T1
800-267-4414 Technical Service
800-364-3577 3M HELPS
3M.com/ca/besaferbeseen

3M and Scotchlite are trademarks of 3M.
Please recycle. Printed in U.S.A.
© 3M 2010. All rights reserved.
75-0501-0412-6