



HI-VISIBILITY APPAREL

SSI4HV

Long Sleeve Hi-Vis Work Shirt

- ▶ 360° visibility with front and back 2" silver reflective striping
- ▶ Two-piece, lined collar with sewn-in stays
- ▶ UPF 40 rating
- ▶ This product complies with Class 2 Level 2 requirements of ANSI / ISEA 107-2010

S-XL: \$51.32

2XL-3XL: \$61.58



SS24HV

Short Sleeve Hi-Vis Work Shirt

- ▶ 360° visibility with front and back 2" silver reflective striping
- ▶ Two-piece, lined collar with sewn-in stays
- ▶ Two button-thru, hex-style chest pockets, pencil stall in left chest pocket
- ▶ UPF 40 rating
- ▶ This product complies with Class 2 Level 2 requirements of ANSI / ISEA 107-2010

S-XL: \$49.36

2XL-4XL: \$59.24



SSI4AB

Long Sleeve Hi-Vis Work Shirt

- ▶ 360° visibility with front and back 2" silver reflective striping
- ▶ Two-piece, lined collar with sewn-in stays
- ▶ UPF 40 rating
- ▶ This product complies with Class 3 Level 2 requirements of ANSI / ISEA 107-2010

S-XL: \$85.08

2XL-3XL: \$102.10



SS24AB

Short Sleeve Hi-Vis Work Shirt

- ▶ 360° visibility with front and back 2" silver reflective striping
- ▶ Two-piece, lined collar with sewn-in stays
- ▶ Two button-thru, hex-style chest pockets, pencil stall in left chest pocket
- ▶ UPF 40 rating
- ▶ This product complies with Class 3 Level 2 requirements of ANSI / ISEA 107-2010

S-XL: \$83.02

2XL-4XL: \$99.62



SSI4YE

Long Sleeve Enhanced Visibility Work Shirt

- ▶ Long sleeves
- ▶ Two-piece, lined collar with sewn-in stays
- ▶ Button-front closure
- ▶ Two button-thru, hex-style chest pockets with left pencil stall
- ▶ UPF 40 rating
- ▶ This product does not comply with ANSI 107-2004 or ANSI 107-2010

S-XL: \$20.30

2XL-3XL: \$24.36



SS24OR

Short Sleeve Enhanced Visibility Work Shirt

- ▶ Two-piece, lined collar with sewn-in stays
- ▶ Button-front closure
- ▶ Two button-thru, hex-style chest pockets with left pencil stall
- ▶ This product does not comply with ANSI 107-2004 or ANSI 107-2010

S-XL: \$19.42

2XL-3XL: \$23.30



SYK6HV

Short Sleeve Hi-Vis T-Shirt

- ▶ 360° visibility with front and back 2" silver reflective striping
- ▶ Rib knit collar and cuffs
- ▶ Cover seaming throughout garment
- ▶ Single chest pocket
- ▶ This product complies with Class 2 Level 2 requirements of ANSI / ISEA 107-2010

S-XL: \$18.80

2XL-4XL: \$22.56



SYK2HV

Long Sleeve Hi-Vis T-Shirt

- ▶ 360° visibility with front and back 2" silver reflective striping
- ▶ Rib knit collar and cuffs
- ▶ Cover seaming throughout garment
- ▶ Single chest pocket
- ▶ This product complies with Class 2 Level 2 requirements of ANSI / ISEA 107-2010

S-XL: \$24.66

2XL-4XL: \$29.60



313-1300

Wicking Polyester Long Sleeve T-Shirt

- ▶ Meet ANSI 107-2004 Class 3 standards
- ▶ Polyester sports knit, moisture wicking fabric
- ▶ Left breast pocket
- ▶ With silver reflective or contrast tape
- ▶ Class 3 Long Sleeve Polyester Crew Neck T-Shirt
- ▶ Yellow or Orange
- ▶ Chest Pocket

M-5XL: \$22.32



313-1400

Wicking Polyester Short Sleeve T-Shirt

- ▶ Meet ANSI 107-2004 Class 3 standards
- ▶ Polyester sports knit, moisture wicking fabric
- ▶ Left breast pocket
- ▶ With silver reflective or contrast tape

M-5XL: \$17.36



310-1100

Wicking Polyester Long Sleeve T-Shirt

- ▶ Non-ANSI approved
- ▶ Polyester sports knit, moisture wicking fabric
- ▶ Left chest pocket
- ▶ Available with or without reflective tape

M-5XL: \$16.00



310-CNTSN

Wicking Polyester Short Sleeve T-Shirt

- ▶ Non-ANSI approved
- ▶ Polyester sports knit, moisture wicking fabric
- ▶ Left chest pocket
- ▶ Available with or without reflective tape

M-5XL: \$12.02



312-1200

Wicking Polyester T-Shirt

- ▶ Meet ANSI 107-2004 Class 2 standards
- ▶ Polyester sports knit, moisture wicking fabric
- ▶ Left breast pocket
- ▶ With silver reflective tape

M-5XL: \$13.48



313-CNTSE

Wicking Polyester Short Sleeve T-Shirt

- ▶ Meet ANSI 107-2004 Class 3 standards
- ▶ Polyester sports knit, moisture wicking fabric
- ▶ Left breast pocket
- ▶ With silver reflective or contrast tape

M-5XL: \$17.36



313-CNTSP

Wicking Polyester T-Shirt

- ▶ Meet ANSI 107-2004 Class 3 standards
- ▶ Polyester sports knit, moisture wicking fabric
- ▶ Left breast pocket
- ▶ With silver reflective or contrast tape

M-5XL: \$19.98



SY06YE

Enhanced Visibility T-Shirt

- ▶ Spandex rib knit collar
- ▶ Cover seaming throughout garment
- ▶ Single chest pocket
- ▶ This product does not comply with ANSI 107-2004 or ANSI 107-2010

S-XL: \$12.58

2XL-4XL: \$15.10



VYV6-300

Hi-Vis Zip Front Coverall

- ▶ 360° visibility with front and back 2" silver
- ▶ Hook-and-loop front closure
- ▶ Hook-and-loop adjustable sides (dual sizing)
- ▶ This product complies with Class 2 Level 2 requirements of ANSI / ISEA 107-2010

S-XL: \$10.44

2XL-5XL: \$12.52



302-0211

Breakaway Vest

- ▶ ANSI 107 Class 2, CSA Z96, mesh fabric
- ▶ Hook and Loop Closure – 5 breakaway points
- ▶ 3 external pockets, 1 upper, 2 lower/2 internal lower pockets
- ▶ 2 inch two-tone contrast tape
- ▶ Orange or Yellow

M-5XL: \$13.38



302-0210

Mesh Safety Vest

- ▶ Meet ANSI 107 Class 2 standards
- ▶ Available with zipper closure or hook and loop closure
- ▶ 2-inch reflective tape for superior visibility
- ▶ Chevron vest includes adjustable sides for comfort fit

M-5XL: \$11.50



302-MAP

Solid Safety Vest

- ▶ Meet ANSI 107 Class 2 standards
- ▶ Available with zipper closure, hook and loop closure, or snap closure
- ▶ 2-inch reflective tape for superior visibility

M-5XL: \$14.56



303-HSVP

Hi-Vis Zip Front Coverall

- ▶ Meet ANSI 107 Class 3 standards retro reflective material
- ▶ 100% Polyester Mesh for Maximum Cool Comfort
- ▶ Available with zipper closure or hook and loop closure
- ▶ 2-inch reflective tape for superior visibility
- ▶ Available in Yellow or Orange

M-5XL: \$15.42



323-CNSSE

Crew Neck Sweatshirt

- ▶ Meet ANSI 107-2004 Class 3 standards
- ▶ Heavyweight polyester fleece fabric
- ▶ Available with solid or contrast trim reflective tape
- ▶ Available with or without front pouch pocket
- ▶ Knitted cuffs

M-5XL: \$32.02



323-HSSE

Hooded Sweatshirt

- ▶ Meet ANSI 107-2004 Class 3 standards
- ▶ Heavyweight hooded sweatshirt
- ▶ Zipper front closure
- ▶ Pocketed
- ▶ Knitted cuffs

M-5XL: \$42.12



323-HSSP

Hooded Sweatshirt

- ▶ Meet ANSI 107-2004 Class 3 standards
- ▶ Heavyweight hooded sweatshirt
- ▶ Zipper front closure
- ▶ Pocketed
- ▶ Knitted cuffs

M-5XL- \$43.16



323-CNSSP

Crew Neck Sweatshirt

- ▶ Meet ANSI 107-2004 Class 3 standards
- ▶ Heavyweight polyester fleece fabric
- ▶ Available with solid or contrast trim reflective tape
- ▶ Available with or without front pouch pocket
- ▶ Knitted cuffs

M-5XL- \$38.70



JY32AB

Hi-Visibility Jacket

- ▶ 360° visibility with front and back 2" silver reflective striping
- ▶ Two chest pockets with button-thru pocket flaps
- ▶ Adjustable waist tabs
- ▶ Unlined, may be worn with Zip-in / zip-out Liner
- ▶ UPF 40 rating
- ▶ This product complies with Class 3 Level 2 requirements of ANSI/ISEA 107-2010

38-50: \$130.66

52-54: \$156.80



JY32HV

Hi-Visibility Jacket

- ▶ 360° visibility with front and back 2" silver reflective striping
- ▶ Two chest pockets with button-thru pocket flaps
- ▶ Adjustable waist tabs
- ▶ Unlined, may be worn with Zip-in / zip-out Liner
- ▶ UPF 40 rating
- ▶ This product complies with Class 2 Level 2 requirements of ANSI/ISEA 107-2010

38-50: \$93.22

52-54: \$111.86



343-1755

Hi-Visibility Jacket

- ▶ Meet ANSI 107 Class 3 standards with minimum 1,240 in² of background material and 310 in² of retro reflective material
- ▶ Durable 100% Waterproof Polyester with Taped Seams
- ▶ High Self Collar with Detachable Hood
- ▶ Zipper Closure with Storm Flap Secured with Snaps
- ▶ 2 External Pockets with Storm Flaps and 1 Upper Radio Pocket

M-5XL: \$62.76



343-1756

Hi-Visibility Jacket

- ▶ Meet ANSI 107-2004 Class 3 standards
- ▶ Suitable for "all seasons" use
- ▶ 100% polyester with taped seams, waterproof
- ▶ Zipper closure with storm flap, additionally secured with snaps
- ▶ Orange and Yellow
- ▶ Liner can be worn as a Class 2 jacket or vest
- ▶ Multiple inner and outer pockets
- ▶ Fully reversible with zip-off sleeves

M-5XL: \$135.70



333-1752

Bomber Jacket

- ▶ Meet ANSI 107 Class 3 standards
- ▶ Zipper closure with storm flaps
- ▶ Multiple pocket configurations
- ▶ Elastic cuffs
- ▶ All styles are water resistant with taped seams
- ▶ Various trim and lining options
- ▶ 2-inch silver reflective tape

M-5XL- \$37.34



333-1762

Bomber Jacket

- ▶ Meet ANSI 107 Class 3 standards
- ▶ Zipper closure with storm flaps
- ▶ Multiple pocket configurations
- ▶ Elastic cuffs
- ▶ All styles are water resistant with taped seams
- ▶ Various trim and lining options
- ▶ 2-inch silver reflective tape

M-5XL- \$57.38



333-1770

Bomber Jacket

- ▶ Meet ANSI 107 Class 3 standards
- ▶ Zipper closure with storm flaps
- ▶ Multiple pocket configurations
- ▶ Elastic cuffs
- ▶ All styles are water resistant with taped seams
- ▶ Various trim and lining options
- ▶ 2-inch silver reflective tape

M-5XL- \$86.18



9732

Charles River Signal Hi-Vis Jacket

- ▶ Two slack-style front pockets and two set-in hip pockets
- ▶ Anti-pill black fleece lining
- ▶ Front shoulder loops for radio attachment
- ▶ ANSI 107-2010 Class 3

S-5XL: \$143.80



PT18HVB

Utility Pocket Pant

- ▶ 360° visibility with front and back 2" silver reflective striping
- ▶ Two slack-style front pockets and two set-in hip pockets
- ▶ Cargo pockets with concealed snap closure
- ▶ UPF 40 rating
- ▶ This product complies with Class E Level 2 requirements of ANSI / ISEA 107-2010

S-4XL: \$68.34



CT10EV

Hi-Vis Zip Front Coverall

- ▶ 360° visibility with front and back 2" silver reflective striping
- ▶ Two set-in front pockets, two patch hip pockets, two chest pockets and rule leg pocket
- ▶ Side-vent openings
- ▶ UPF 40 rating
- ▶ This product complies with Class 3 Level 2 requirements of ANSI / ISEA 107-2010

30-50: \$60.12

52-54: \$72.14



318-1757

Polyurethane Coated Two Tone Pant

- ▶ Meet ANSI 107-2004 Class E standards
- ▶ 100% polyester with breathable PU coating
- ▶ Elastic waist
- ▶ Fully taped seams
- ▶ 2 side access pockets

M-5XL- \$22.80

318-1771

Polyurethane Coated Two Tone Pant

- ▶ Meet ANSI 107-2004 Class E standards
- ▶ 100% polyester with breathable PU coating
- ▶ Elastic waist
- ▶ Fully taped seams
- ▶ 2 side access pockets

M-5XL- \$43.16

319-MTP

Mesh Traffic Pant

- ▶ Meet ANSI 107-2004 Class E standards
- ▶ Yellow mesh with contrast trim
- ▶ Draw string waist

M-5XL- \$19.90



SP24EN

Enhanced Visibility Short Sleeve Industrial Work Shirt

- ▶ Touchtex technology with superior color retention, soil release and wickability
- ▶ Two button-thru, hex-style pockets with left pencil stall
- ▶ 2½" Yellow/Silver/Yellow enhanced visibility trim
- ▶ Trim around body below pockets, down both sleeves and across back shoulder to shoulder
- ▶ This product does not comply with ANSI 107-2004 or ANSI 107-2010

S-XL: \$36.56

2XL-4XL: \$43.88



SPI4EN

Enhanced Visibility Industrial Work Shirt

- ▶ Touchtex technology with superior color retention, soil release and wickability
- ▶ Two button-thru, hex-style pockets with left pencil stall
- ▶ Trim around body below pockets, down both sleeves and across back shoulder to shoulder
- ▶ This product does not comply with ANSI 107-2004 or ANSI 107-2010

S-XL: \$40.88

2XL-4XL: \$49.06

PT20EN

Enhanced Visibility Dura-Kap® Industrial Pant

- ▶ Touchtex™ technology with superior color retention and soil release
- ▶ Folder-set waistband with button closure for a comfortable fit
- ▶ Slack-style front pockets and two set-in hip pocket
- ▶ This product does not comply with ANSI 107-2004 or ANSI 107-2010

30-48: \$37.12

PD60ED

Enhanced Visibility Relaxed Fit Jean

- ▶ Relaxed fit with traditional rise sits at natural waist
- ▶ Slightly tapered leg fits over work boots
- ▶ Deep front pockets
- ▶ Antique brass rivets
- ▶ Trim: above knees
- ▶ This product does not comply with ANSI 107-2004 or ANSI 107-2010

30-42: \$39.00

44-48: \$46.82



BD10DN

Bib Overall

- ▶ Relaxed fit
- ▶ Heavy duty, non-corrosive hardware and buttons
- ▶ Bib pocket with zipper closure and leatherette logo patch
- ▶ Hammer loop on left leg
- ▶ Trim: across bib pocket below zipper, across waist, 12" down back and two stripes around legs
- ▶ This product does not comply with ANSI 107-2004 or ANSI 107-2010

30-50: \$43.08

52-56: \$51.70

CT10EV

Enhanced Visibility Twill Action Back Coverall

- ▶ Gripper at top of zipper and lapel
- ▶ Two set-in front pockets
- ▶ Patch hip pockets, chest pockets and rule pocket on left leg
- ▶ Double striped enhanced visibility trim
- ▶ This product does not comply with ANSI 107-2004 or ANSI 107-2010

30-50: \$60.12

52-58: \$72.14



JT50EN

Enhanced Visibility Perma-Lined Jacket

- ▶ Permanently lined with black quilted lining
- ▶ Two lower, inset, on-seam pockets
- ▶ Hip-length
- ▶ 2 1/2" Yellow/Silver/Yellow enhanced visibility trim
- ▶ Trim : down both sleeves, across chest above pockets and two stripes across back
- ▶ This product does not comply with ANSI 107-2004 or ANSI 107-2010

S-XL: \$62.98

2XL-3XL: \$75.58



JT30WM

Enhanced Visibility Jacket

- ▶ Adjustable waist tabs
- ▶ Unlined, may be worn with zip-in / zip-out liner (LN30BK)
- ▶ Trim : across pockets, down sleeves and two horizontal stripes across back
- ▶ This product does not comply with ANSI 107-2004 or ANSI 107-2010

30-50: \$59.74

52-56: \$71.68



SPI4WM

Enhanced Visibility Shirt

- ▶ Two-piece, lined collar with sewn-in stays
- ▶ Two button-thru, hex-style pockets with pencil stall in left chest pocket
- ▶ Trim: across pockets, down sleeves and two horizontal stripes across back
- ▶ This product does not comply with ANSI 107-2004 or ANSI 107-2010

S-XL: \$38.76

2XL-4XL: \$46.52



SP24WM

Enhanced Short Sleeve Visibility T-Shirt

- ▶ Two-piece, lined collar with sewn-in stays
- ▶ Two button-thru, hex-style pockets with pencil stall in left chest pocket
- ▶ Trim: across pockets, down sleeves and two horizontal stripes across back
- ▶ This product does not comply with ANSI 107-2004 or ANSI 107-2010

S-XL: \$34.66

2XL-4XL: \$41.60



HI-VIS and the ANSI Standards

ANSI - American National Standard Institute



Group of primarily end users, who give final approval of any updates



Does not write any part of standard



Updated every 5 years

ISEA - International Safety Equipment Assoc.



Trade association for manufacturers of safety products
13 product groups for High Visibility Products



High Visibility Products group maintains/re-rights the ANSI 107 and 207 standards



White Knight Engineered Products is a member of ISEA

ANSI/ISEA 107-2010 Basics

- Specifies minimum requirements for background material and retro-reflective

	Class 3	Class 2	Class 1	Class E	Headwear
Background Material	1240	775	217	465	78
Retro reflective or Combined Performance Material	310	201	155	108	10
Combined Performance Material	N/A	N/A	310	N/A	78

*All measurements are in square inches

ANSI/ISEA 107-2010 Basics

- ▶ Sets basic design guidelines
 - ▶ Minimum width of reflective
 - ▶ 2" – Class 3
 - ▶ 1.375" – Class 2
 - ▶ 360° horizontal stripe
 - ▶ Gaps to allow closure
 - ▶ Placement from bottom edge
 - ▶ Shoulder area
 - ▶ 23.25 in² required in shoulder area when no reflective is placed on the sleeves
 - ▶ Proper labeling
 - ▶ Pictogram, standard it meets, manufacturer's name, class designation
 - ▶ Class 3
 - ▶ Placement on sleeves
 - ▶ Spacing between bands
 - ▶ Defines component performance
 - ▶ Retro-reflective
 - ▶ Must retain certain level of brightness after washing
 - ▶ Background fabric
 - ▶ Must retain color after exposure to washing and UV light.
- Note: Above results determines maximum washes finished garment meets standard minimums

Choosing the Right Garment

- ▶ Give customers all information, but let them choose Class
 - ▶ Appendix B of ANSI 107-2010
- ▶ Best suggestion to your customer for choosing a Class is to do a safety assessment
 - ▶ Contact local ASSE chapter for more information
- ▶ Examples of workers in typical Class 3 scenarios:
 - ▶ Roadway Construction
 - ▶ Utility
 - ▶ Survey
 - ▶ Railway
 - ▶ EMS
 - ▶ Flagging Crews
 - ▶ Towing Operators
 - ▶ Road Assistance Patrols
- ▶ Examples of workers in typical Class 2 scenarios:
 - ▶ Roadway Construction
 - ▶ Utility
 - ▶ Survey
 - ▶ Railway
 - ▶ Forestry
 - ▶ Crossing Guards
 - ▶ Parking/Toll
 - ▶ Airport Ground Crew
 - ▶ EMS
 - ▶ Law Enforcement
 - ▶ Accident Site

NOTE: Worker examples for Class 2 and 3 on this page are taken from Appendix B of the ANSI 107-2010 Standard.