

BODY PROTECTION





**To be the more reliable partner in the
security industry**

2018~2019

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ABOUT KANGSHIELD /

KANGSHIELD Safety Protective Technology (China) Co., Ltd is the international comprehensive one-stop supplier focusing on the design, manufacture and sales of PPE. In order to provide products which conform to international safety standards and meet customers' actual requirements, we have established a complete quality control system which will also offer powerful support for brand establishment. All products we provide are in compliance with the ANSI , GB and CE certification.

Relying on the international logistics platform and the exclusive customs cargo passage of KANGSHIELD , we are able to safely deliver all the goods to designated warehouses within a shorter period of time which will efficiently save time and operation costs for customers.



To enhance the cargo delivery capacity, we have established warehouses in Dubai, the United States, Colombia, Peru and other countries.















EN1149-5: 2008		EN ISO 11611:2007	
	<p>PROTECTIVE CLOTHING TO DISSIPATE STATIC ELECTRICITY</p> <p>This European Standard specifies requirements for materials and the design of protective electrostatic dissipation clothing used in conjunction with a grounded system in order to prevent incendiary discharges.</p>		<p>PROTECTIVE CLOTHING TO PROTECT THE SPATTER AND RADIANT HEAT</p> <p>This standard is used to protect the wearer against the spatter (small splashes of molten metal) and minimize the possibility of short-term electrical shock and accidental contact with live electrical conductors at voltages.</p>
EN ISO11612:2008			<p>Class 1 is against less hazardous welding techniques and situations, causing lower levels of spatter and radiant heat. Class 2 is against more hazardous welding techniques and situations, causing higher levels of spatter and radiant heat.</p>
	<p>PROTECTIVE CLOTHING TO PROTECT AGAINST HEAT AND FLAME</p> <p>This European Standard specifies requirements for materials and the design of protective electrostatic dissipation clothing used in conjunction with a grounded system in order to prevent incendiary discharges.</p>		
EN 14058:2004			
	<p>PROTECTIVE CLOTHING AGAINST COOL ENVIRONMENTS</p> <p>This standard specifies the requirements and performance test methods for protective garments (vests, jackets, coats, trousers) against cool environments.</p> <p>These garments are used in moderate low temperatures (-5 °C and over) to protect against local body cooling and are not only used outdoors such as the construction industry, but also used indoors such as the food processing industry .</p> <p>These garments don't have to be made of air impermeable or watertight materials. Therefore, these requirements are optional for European standard.</p>		



SAFETY CLOTHING /

EN ISO 20471:2013



PROTECTIVE CLOTHING FOR HIGH VISIBILITY CLOTHING

EN ISO 20471:2013 is the harmonized European standard for high visibility clothing. It specifies the requirements for signaling the users presence day or night. High visibility clothing is divided into three classes related to risk assessment. The performance class applies to a single garment or a clothing ensemble, e.g. jacket and trousers.

CLASS 3: Highest level

CLASS 2: Medium level

CLASS 1: Lowest level

Minimum background Material 0.8m²

Minimum background Material 0.5m²

Minimum background Material 0.14m²

Minimum retro-reflective Material 0.2m²

Minimum retro-reflective Material 0.13m²

Minimum retro-reflective Material 0.1m²

EN ISO 13688:2013



TECHNICAL PROTECTIVE CLOTHING GENERAL REQUIREMENTS

This is the general requirements as a reference standard which cannot be applied on its own but is referred to in all specific protective clothing standards. E.g. EN ISO 20471, the European standard for high visibility clothing.

EN13356:2001



VISUAL ACCESSORIES FOR NON-PROFESSIONAL USE

This is the general requirements as a reference standard which cannot be applied on its own but is referred to in all specific protective clothing standards. E.g. EN ISO 20471, the European standard for high visibility clothing.

EN 343:2003+A1:2007



PROTECTIVE CLOTHING AGAINST RAIN

This European standard concerns protective clothing against rain, wind and cold at temperatures higher than -5 °C. This standard specifies the requirements and test methods applied to the materials and seams of the protective clothing against the effects of foul weather (for example: rain or snow), fog and humidity. The requirements of the EN343 include:

X: Water resistance.

Y: Moisture, vapour and perspiration or "breathability" of the garment

Strength of garment components-tensile, tear, seam strength and shrinkage.

IEC61482-2:2009



IEC 61482 Protective clothing against the thermal hazards of electric arc.

EN61482-1-2:2007=Arc in the box test method

EN 61482-1-1:2009=Open Arc test method

Class 1=4ka

Class 2=7ka

ATPV(Arc Thermal Performance Value) cal/ m²

EN13034:2005+A1:2009

**PROTECTIVE CLOTHING AGAINST
LIQUID CHEMICALS**

This standard sets out the general requirements for protective clothing against liquid chemicals. Materials shall not cause skin irritation or have any adverse effect to health, including garment sizing, labeling etc.

EN14605

**PROTECTIVE CLOTHING AGAINST
LIQUID CHEMICALS**

This standard sets out the minimum requirement for the limited use and re-useable chemical protective clothing of the following types:

- Full body protection with liquid-proof design in each clothing joint (Type 3: liquid-proof clothing)
- Full body protection with anti-spray design in each clothing joint (Type 4: anti-spray clothing)

ANSI/ISEA 107-2010

GARMENT DESIGN REQUIREMENTS

	Class 1	Class 2	Class 3
Minimum area of background material	217 in ² (0.14 m ²)	775 in ² (0.50 m ²)	1240 in ² (0.80 m ²)
Composite material used with background material	155 in ² (0.10 m ²)	201 in ² (0.13 m ²)	310 in ² (0.20 m ²)
Composite material used without background material	310 in ² (0.20 m ²)	NA	NA
Minimum width of reflective band	1 in(25mm) or 2 in(50mm) composite performance material (without background material)	1.375 in (30mm)	2 in (50mm)
Minimum yard of different widths of reflective band	4.3 yards - 1-inch-width band (25mm) 3.1 yards - 1.375-inch-width band(30mm) 2.15 yards - 2-inch-width band(50mm)	4 yards- 1.375-inch-width band(30mm) 2.8 yards -2-inch-width band(50mm)	4.3 yds of 2 in yards - 2-inch-width band(50mm)
Reflective Photometric Performance	Level 2 or Level 1	Level 2 or Level 1	Level 2 or Level 1



SAFETY CLOTHING /

ANSI/ISEA 207-2006T

STANDARD FOR PUBLIC SAFETY VEST

This public safety vest standard was created in response to public safety users demand in 2005 for a high visibility safety vest which is different from the garments based on ANSI/ISEA 10-2004. The primary concern is the flexibility design of tactical capability which is not owned by the garments based on ANSI107. Additionally, users want to have a high visibility garment standard intended for law enforcement and emergency responders that would distinguish ANSI 107. Therefore, it will avoid confusion.

ANSI/ISEA 207-2006

SUMMARY POINTS

1. Reflective performance requirements are almost the same as ANSI 107, except for the Level 2 (330 RA table).
2. ANSI 207 is not intended to replace, or be interchangeable with ANSI 207 Class 2 garment. Law enforcement officers of traffic are still need to execute according to ANSI 107 Class 2 or Class 3 .
3. The new standard adopt to many design schemes, such as separation, colored identification, loops, pockets, badge holders, and ID panels.
4. The innovative design schemes are intended to meet the need of functional design and to offer an effective high visibility safety garment.

CAN/CSA Z96-09

HIGH VISIBILITY SAFETY STANDARD SUMMARY

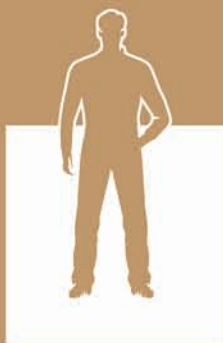
The Canadian Standards (CSA) exists to produce standards that help to protect Canadians from hazards in almost every aspect of daily living.

The CAN/CSA Z96-09 addresses high visibility safety issue.

CAN/CSA Z96-02

HIGH VISIBILITY SAFETY APPAREL GARMENT CLASSES

- | | |
|----------------|---|
| Class 1 | Apparel is consists of basic harness or stripes/bands over the shoulder(s) and encircling the waist. The center portion of the front torso band between the two vertical bands is optional. |
| Class 2 | Apparel has full coverage of the upper torso(front, back, sides and over the shoulders). Stripes/bands shall be composed of retroreflective or combined performance materials. |
| Class 3 | Apparel meets the same requirements as Class 2 with the addition of bands encircling both arms and legs. These bands shall be composed of composite stripes/bands or a combination of reflective and background material. |



BODY
PROTECTION



⚡ KGS0017

Thermal waterproof jacket

- Surface: 300D 100% Polyester Oxford and inside the fabric is a PU coating waterproof cloth
- Lining: 210T polyester taffeta
- Filler: 200gsm silk floss
- High visibility reflective tapes
- Thermal coefficient is medium

Standard: EN343 EN471

Size: M-XXL



⚡ KPS0018

Two-piece suit warm jacket

- Fabric: 260gsm polyester-cotton
- Lining: 100% polyester, 210T polyester taffeta
- Filler: 200gsm silk floss
- Lining is removable
- High visibility reflective tapes
- Thermal coefficient is medium

Standard: EN471

Size: M-XXL

⚡ KGS0006

Thermal waterproof jacket

- 100% polyester fiber; coat adopts composite technology fabrics, waterproof and breathable. Liner with thicker composite polar fleece
- Inside the fabric is a PU coating waterproof cloth, all seams are rubberized
- High quality resin zipper

Standard: EN343

Size: M-XXL

⚡ KPF0022

T / C split working clothing

- High-quality T/C, 245gsm, splicing color, can be customized
- Elastic belt on the waist; High-quality accessories

Size: M-XXL





SAFETY CLOTHING /



⤴ KPF0002

T / C split working clothing

- High quality T/C, 245gsm
- High quality accessories
- High visibility reflective tapes

Standard: EN471

Size: M-3XL



⤴ KPL0023

T/C coverall

- High quality T/C, 245gsm
- High quality accessories
- High visibility reflective tapes

Standard: EN471

Size: M-3XL

⤴ KPF0010

Short-sleeved T/C split working clothing

- High quality T/C, 160-230gsm
- High quality accessories
- Summer clothing

Size: M-3XL

⤴ KPL0026

High visibility T/C coverall

- Fluorescent yellow polyester, 240gsm
- High quality accessories
- High visibility reflective tapes

Standard: EN471

Size: M-3XL





⚡ KPL0024

High visibility T/C coverall

- High quality T/C, 245gsm
- High quality accessories
- High visibility reflective tapes

Standard: EN471

Size: M-3XL



⚡ KPL0025

Winter coverall

- High quality T/C, 245gsm
- Lining: polyester, 210T polyester taffeta, anti-static
- Filler: 200gsm silk floss
- High visibility reflective tapes
- High quality accessories

Standard: EN471

Size: M-3XL

⚡ KGF0015

High visibility raincoats

- Material: PVC / polyester
- Split raincoat

Standard: EN343 EN471

Size: M-3XL

⚡ KGF0008

Welding flame-retardant clothing

- High quality 100% cotton flame retardant, 245gsm
- High quality accessories

Standard: EN11611

Size: M-3XL





SAFETY CLOTHING /



⤴ KGS0027

High visibility poncho

- Material: PVC / polyester
- High quality accessories
- High visibility reflective tapes

Standard: EN343 EN471

Size: Free size



⤴ KGS0003

High visibility warm jacket

- Surface: 600D polyester fiber oxford cloth (high visual fluorescence yellow + dark green) + PU coating
- Lining: 210T polyester fiber
- Filler: 200gsm silk floss
- High-quality accessories
- High visibility reflective tapes

Standard: EN471

Size: M-3XL

⤵ KPS0028

High visible reflective vest

- Material: 100% polyester warp knitted fabric
- Gram weight: 110-120gsm / 60gsm
- High visibility reflective tapes
- Zipper / Velcro on the placket

Standard: EN471

Size: M-3XL



⤵ KGF0011

Leather welding clothing

- Made of cow split leather which is fire resistant and wear resistant
- Sewed by DuPont Kevlar fire resistant string
- Especially designed for the protection of front body, open back which can adjust the balance, practical and convenient.
- Fire-proof cotton collar which is safe, comfortable and absorbing sweat





⚡ KPL0007

High visibility T/C coverall

- Material: 245gsm T/C, lining is 210T polyester taffeta, anti-static, filler is 200gsm silk floss
- High quality accessories
- High visibility reflective tapes

Standard: EN471

Size: M-3XL



⚡ KGF0016

100% cotton flame-retardant two-piece clothing

- High quality 100% cotton flame retardant fabric
- High quality accessories
- High visibility reflective tapes

Standard: EN11612 EN471

Size: M-3XL

⚡ KGL0004

Three proofing coverall

- Function: waterproof, oil - proof, anti - static
- Material: the fabric is high quality polyester cotton which is anti-static, the lining is 210T anti-static taffeta, and the filling is 200gsm silk cotton
- High quality accessories
- High visibility reflective tapes

Standard: EN471

Size: M-3XL

⚡ KGL0009

Disposable protective clothing

- Material: SMS2000 non-woven fabric.
- Function: Anti-dust and particle, waterproof, anti - static
- High quality accessories

Size: M-3XL





SAFETY CLOTHING /



⤴ KPS0029

Short-sleeved shirt

- Fabric: high quality CVC
- High quality accessories
- Business casual

Size: M-3XL



⤴ KS0013

Knitted T-shirt

- High quality knitted cotton/ pique fabric
- Function: breathable, absorb sweat

Size: M-3XL

⤵ KP0030

Long-sleeved shirt

- Material: high quality CVC
- High quality accessory
- Business casual

Size: 165/80-185/112

⤵ KS0012

Knitted shirt

- Knitted high quality pure cotton fabric
- Function: breathable, absorb sweat

Size: M-3XL





⤴ KMF01011

Single filter half mask

- **Face Mask Style:** Head mounted;
- **Material for Mask Body:** Silicone
- Single filter half mask with twin exhalation valves.

Grade: CE EN140



⤴ KMF01012

Double filter half mask

- **Face Mask Style:** Head mounted
- **Material for Mask Body:** Rubber/Plastics
- Silicone Dual Filter Cartridge Half Face Mask not aging easily fits with face outline perfectly.

Grade: CE EN140

⤵ KMF01021

Full Mask

- **Face Mask Style:** Head mounted
- **Material for Mask Body:** Rubber/Plastics
- Silicone Single Filter Cartridge not aging easily fits with face outline perfectly.

Grade: CE EN140



⤵ KMF01022

Full Mask

- **Face Mask Style:** Head mounted
- **Material for Mask Body:** Rubber/Plastics
- Silicone dual Filter Cartridge not aging easily fits with face outline perfectly.

Grade: CE EN140



100% COTTON FLAME-RETARDANT COVERALL

KGL0020



High quality accessories



Metal snap button



High visibility reflective tapes



Adjustable
bottom of trousers leg

Standard: NFPA2112 EN471

Size: M-3XL

- Fabric: 100% cotton, flame-retardant
- Back, armpit increase the knitted pique, with ventilation function
- Flame-retardant thread; High quality accessories



SAFETY CLOTHING /



⤴ KPF0001

Airborne division style working cloth

- High quality anti-static T/C fabric, 200-260gsm.
- Multi-function pocket
- High quality accessories
- Adjustable snap button
- Multi-pocket design makes storage more convenient and practical.

Size: M-3XL



⤴ KPL0019

100% cotton coverall

- The fabric is 100% cotton
- High visibility reflective tapes

Standard: EN471

Size: M-XXL

⤵ KPL0021

100% cotton coverall

- High quality 100% cotton
- High quality accessories
- High visibility reflective tapes

Standard: EN471

Size: M-3XL

⤵ KGS0014

Cow leather welding apron

- Made of cow split leather which is fire resistant and wear resistant
- Sewed by DuPont Kevlar fire resistant string
- Especially designed for the protection of front body, open back which can adjust the balance, practical and convenient.



