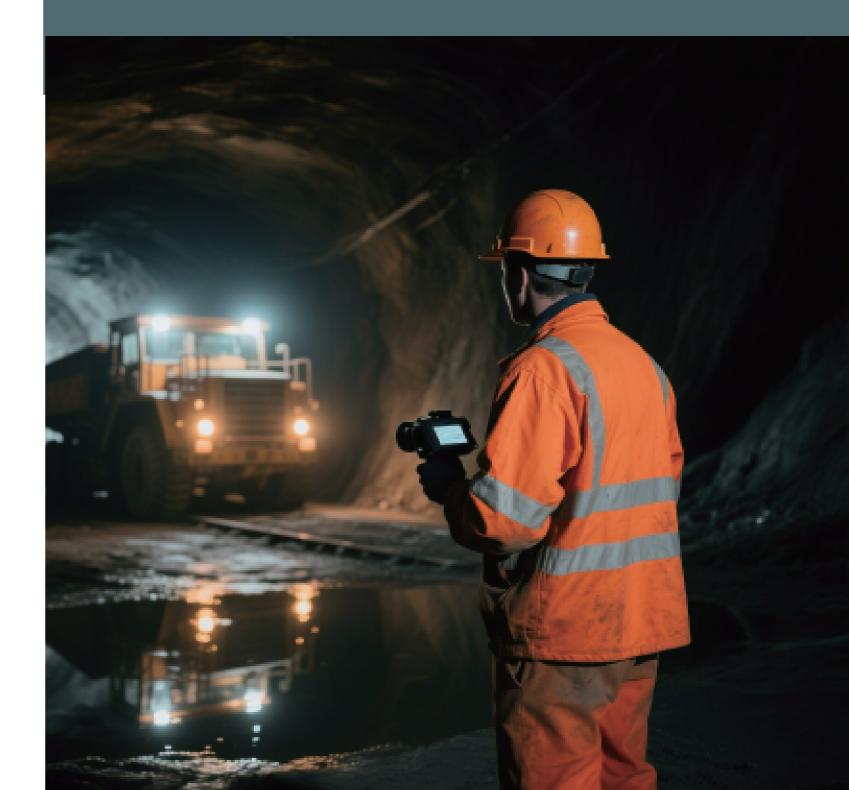


BODY PROTECTION



Contact Us

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ABOUT US

ZIMAI, as a manufacturer and supplier of Personal Protective Equipment since its founding in Shanghai, China, has now expanded its product ranges to the field of Health, Security, Emergency Response, Environmental Protection, Ergonomics, Hazard Controls and Home & Community.

Being a professional supplier of PPE, ZIMAI provides one-stop purchase services to all the customers for products ranging from head protection to foot protection, with good quality and in time delivery. In the meantime, ZIMAI dedicates its effort in product certifications, which leads the result that most products of working gloves, safety shoes, masks and Hi-Vi workwears are CE certified. And for other range of PPE, ZIMAI shares tests & certificates with strategic suppliers in China.

ZIMAI values customers the most, and takes quality as the priority. A Quality Management System has already been established to provide a framework for measuring and improving the company's performance. The company has been certified to ISO 9001:2015 and ISO 14001:2015, and some of our plants also have been audited in accordance with SEDEX and BSCI, which provides our customers the security for products quality and traceability.

Based on years of experience in PPE field and the strong ability in supply chain, ZIMAI starts to introduce the new product ranges such as medical devices and other Health & Engineering related safety equipments to the market.

ZIMAI will always be committed to the field of life safety and safety protection!

ZIMAI Safety, Your first choice!

Your safety, Our success!





EN Standard for the Garments

EN ISO 20471 2013

ISO 20471:2013 High-Visibility Clothing is an international standard for the safety requirements and test methods of hi-vis workwear, and is applicable to high-risk situations. It specifies requirements for "high visibility clothing which is capable of visually signalling the user's presence" and assesses the suitability and durability of retro-reflective materi-

There are 3 classes of hi vis garments based on the provided levels of visibility. On these hi vis garments the hi vis reflective tape must not be any less than 50mm wide.



THE HIGHEST LEVEL OF CONSPICUITY





CLASS 2

INTERMEDIATE PROTECTION



Minimum background material 0.50m2 Minimum retro-reflective material 0.13m2



CLASS 1

LOW LEVEL PROTECTION

Minimum background material 0.14m2 Minimum retro-reflective material 0.10m2

Selection of the most suitable class of garment is based on your risk assessment. However, in certain situations guidance is given, such as if you are working on the highways the 'Safety at Street Works and Road works' and the 'Traffic Signs Manual Chapter 8' provide information on what type and class of protective clothing you should be wearing.

EN 17353:2020 The standard specifies requirements for enhanced visibility equipment in the form of garments, or devices, which are capable of signalling the user's presence. The enhanced visibility equipment is intended to provide more conspicuous visibility of the wearer in medium risk situations under any daylight conditions and/or under illumination by vehicles headlights or searchlights in the dark.

EN 17353:2020 - Protective clothing - Enhanced visibility equipment for medium risk situations - Test methods and requirements, supersedes two separate standards and brings together elements of each of the withdrawn standards: EN 1150:1999 – Protective clothing – Visibility clothing for non-professional use – Test methods and requirements EN 13356:2001 - Visibility accessories for non-professional use - Test methods and requirements

All products meeting the requirements of the standard are no longer considered in terms of their use, but rather their suitability in providing protection in medium risk situations as defined by their enhanced visibility properties.

The EN 17353 standard is applicable to clothing and devices worn in medium risk situations such as working with slow-moving vehicles, jogging on roads with lower traffic speeds, or cycling. It sets forth the minimum amounts of materials that should be incorporated into products in order to ensure enhanced visibility on an end user. The standard also describes the design requirements for various types of products based on the foreseeable conditions of use by Type "A", "B" and "AB".

Type A- Equipment worn by users where the risk of not being seen exists only at daylight conditions. This equipment uses only the fluorescent material as an enhanced visibility component.

Type B – Equipment worn by users where risk of not being seen exists only at dark conditions. This equipment uses only the retroreflective material as an enhanced visibility component. Including:

Type B1 – free hanging retroreflective devices

Type B2 – retroreflective devices temporarily or permanently placed on limbs only

Type B3 – retroreflective material placed on torso or torso and limbs

Type AB – Equipment worn by users where risk of not being seen exists during daylight, twilight and dark conditions. This equipment uses the fluorescent as well as the retroreflective and/or combined performance materials as enhanced visibility components.

However, the EN 17353 standard is not applicable to:

High visibility equipment in high-risk situations, which is covered in EN ISO 20471;

Visibility equipment specifically intended for the head, hands, and feet, e.g. helmets, gloves and shoes;

Equipment integrating active lighting, e.g. LEDs;

Visibility for low-risk situations.

All products subjected to EN 17353:2020 are considered as Category II Personal Protective Equipment according to (EU) 2016/425 and requires an EU Notified body to undergo a CE compliance assessment procedure in order to be marketed with the CE mark when used in the eu, or the UKCA mark in the UK after brexit.

EN343:2003 Performance criteria governs the resistance to water penetration and water vapour resistance (breathability) of the garment.

EN ISO 14116:2008 Protection against heat and flame. Limited flame spread materials, material assemblies and clothing".

All three standards have been listed as a Harmonised Standard in the EU Official Journal list of harmonised PPE standards (5th June 2009).

Limited flame spread properties (being superseded by BS EN ISO 14116).

EN ISO 11612:2008 Protection against heat and flame, Protective clothing for workers exposed to heat.

EN ISO 14116: Protective clothing against limited flame spread materials Supersedes EN 533:1997

This international standard specifies the performance requirements for the limited flame spread properties of materials and protective clothing.

The standard is not applicable for fire fighters (EN 469) and welders (EN 470 – EN ISO 11611).

The aim is to reduce the possibility of the clothing buring and thereby itself constituting a hazard: the wearer should not get extra injuries due to the burning of his clothing.

The protective clothing is intended to protect workers against occasional brief contact with small flames. The working circumstances offer no significant heat hazard and there is no presence of another type of heat. For protection against heat hazards, we gladly refer to ISO 11612 (Clothing to protect against heat and flame).

The following parameters are used:

1. Requirements for limited flame spread index 1

The flame does not spread, there are no flaming debris, no afterglow, a hole may be formed.

2. Requirements for limited flame spread index 2

The flame does not spread, there are no flaming debris, no afterglow, no hole formation.

3. Requirements for limited flame spread index 3

The flame does not spread, there are no flaming debris, no afterglow, no hole formation, the afterflame times of each individual specimen

EN470-1 (EN 470-1:1995 is being replaced by EN ISO 11611:2007 "Protective clothing for use in welding and allied processes".)

Different performance criteria for each of these standards have relevance to both fabrics and garments separately to help determine the suitability of garment. ENV50354, CLC/TS 50354, IEC 61482-1, IEC 61482-1-2 These are all standards which have been used or are being used in the constantly evolving field of protection against electric arc.

EN1149-5:2006 Protective clothing with electrostatic properties. The series of CE Antistatic Standards , 1149 have been updated and the parts are separated into test methods and performance requirements.

EN13034 Type 6 ,Protection against Chemical

EN13034:2005 Type 6 (PB) Partial body, Protection against Chemical

EN1513 Limited use protection for parts of the body.Protection against Chemical

EN ISO 11611:2007 Protective clothing for use in welding and allied processes".

EN ISO 11611: Fabric meets EN 470 Tear Strength or EN ISO 11611 Tear Strength is = 15 N



WORKSHOP CERTIFICATES













PRODUCT CERTIFICATES











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Two pcs 5cm width reflective tapes on shoulder and waist

Color available: Hi-Vi orange, Hi-Vi yellow

EN ISO 20471:2013 Class II

Size: S--5XL

Material:120gsm polyester knit fluorescent fabric Two pcs 5cm width reflective tapes on waist

Color available: Hi-Vi orange, Hi-Vi yellow

EN ISO 20471:2013 Class II

Size: S--5XL

Hi-Vi Vest





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5cm width segmented reflective tapes on shoulder and waist

Color available: Hi-Vi orange, Hi-Vi yellow

EN ISO 20471:2013 Class II

Size: S--5XL



Material:120gsm polyester knit fluorescent fabric 5cm width reflective tapes on shoulder and waist Color available: Hi-Vi orange, Hi-Vi yellow

EN ISO 20471:2013 Class II

Hi-Vi Multi Pocket Vest



With 5cm width reflective tapes

Color available: Hi-Vi orange, Hi-Vi yellow

Size: mens', ladies'



Material:155gsm flame retardant polyester knit fluorescent fabric 5cm width flame retardant reflective tapes on shoulder and waist

Color available: Hi-Vi orange, Hi-Vi yellow

Flame Retardant Hi-Vi Vest

EN ISO 20471:2013 Class II



Color available: Hi-Vi orange, Hi-Vi yellow

EN ISO 20471:2013 Class II

Size: S--5XL



Outer fabric: 60% polyester, 40% cotton, 240gsm Liner: 100% polyester, berber fleece, 460gsm

5cm width reflective tapes on waist

Hi-Vi Winter Vest





Color available: Hi-Vi orange, Hi-Vi yellow etc.

EN ISO 20471:2013 Class II

Size: S--5XL



Material: 130gsm polyester knit fluorescent fabric

Hi-Vi Polyester Long Sleeve T-Shirt

5cm width segmented reflective tapes

Color available: Hi-Vi orange, Hi-Vi yellow etc.

EN ISO 20471:2013 Class II





Color available: Hi-Vi orange, Hi-Vi yellow etc.

EN ISO 20471:2013 Class II

Size: S--5XL



Material:150gsm 100% polyester knit bird's eye fabric

5cm width reflective tapes

Color available: Hi-Vi orange, Hi-Vi yellow etc.

Hi-Vi Polyester Long Sleeve Polo

EN ISO 20471:2013 Class II



5cm width segmented reflective tapes

Color available: Hi-Vi orange, Hi-Vi yellow etc.

EN ISO 20471:2013 Class II

Size: S--5XL



Material:150gsm 100% polyester knit bird's eye fabric

5cm width segmented reflective tapes

Color available: Hi-Vi orange, Hi-Vi yellow etc.

Hi-Vi Polyester Long Sleeve Polo

EN ISO 20471:2013 Class II





Color available: Hi-Vi orange+dark blue, Hi-Vi yellow+dark blue

EN ISO 20471:2013 Class II

Size: S--5XL

5cm width reflective tapes

Fleece Sweater Shirt

Color available: Hi-Vi orange+dark blue, Hi-Vi yellow+dark blue

EN ISO 20471:2013 Class II



Color available: Hi-Vi orange+dark blue, Hi-Vi yellow+dark blue

EN ISO 20471:2013 Class II

Size: S--5XL

Material: 250gsm 65% polyester+35% cotton fabric

5cm width reflective tapes

Color available: Hi-Vi orange+dark blue

Size: S--5XL

Hi-Vi Jacket



Color available: Hi-Vi orange+dark blue

Size: S--5XL



Material: 250gsm 65% polyester+35% cotton fabric

5cm width reflective tapes

Color available: Hi-Vi orange+dark blue

Size: S--5XL

Hi-Vi Shorts



5cm width reflective tapes Color available: Hi-Vi orange

Size: S--5XL



Material: 250gsm 100% cotton fabric

5cm width reflective tapes

Color available: Hi-Vi orange+dark green

Size: S--5XL

Hi-Vi Jacket





Color available: Hi-Vi orange+dark green

Size: S--5XL



Material: 250gsm 100% cotton fabric 5cm width reflective tapes

Color available: Hi-Vi orange+dark green



Padding: 160g/m2 spray bond

Reflective tape: 5cm width reflective tape Color:fluorescent orange, fluorescent yellow

Size range: S-5XL

EN ISO 20471:2013 Class III



Fabric:300D oxford with PU coating fabric Reflective tape: 5cm width reflective tape

Elastic waist band

Hi-Vi Trousers

Color available: fluorescent yellow or orange

EN ISO 20471:2013 Class I



Outer shell fabric: 300D oxford with PU coating Lining: 100% polyester taffeta lining with 50g/m2 Reflective tape: 5cm width reflective tape

Inner jacket:

Fabric: 300D oxford with PU coating

Lining: 100% polyester micro fleece with 260gsm

Reflective tape: 5cm width reflective tape Color:fluroscent orange, fluroscent yellow

EN ISO 20471:2013 CLASS 3

Size Range: S-5XL



Outer shell fabric: 300D oxford with PU coating Lining: 100% polyester taffeta lining with 50g/m2 Reflective tape: 5cm width reflective tape

Inner Vest

Fabric: 300D oxford with PU coating Padding: 160g/m2 spray bond EN ISO 20471:2013 Class III

Size range: S-5XL

4 IN 1 Hi-Vi Parka









Outer shell fabric: 300D oxford with PU coating Lining: 100% polyester taffeta lining with 60g/m2 Reflective tape: 5cm width reflective tape

Inner Jacket

Inner lining: 260g twill and TPU membrance with fleece detachable sleeve soft shell

Reflective tape: 5cm width reflective tape Color:fluorescent orange, fluorescent yellow

EN ISO 20471:2013 Class III





Fabric: 100% polyester softshell ripstop with 300g/m2

5cm width segmented reflective tape

Color:fluorescent orange, fluorescent yellow

Hi-Vi Ripstop Softshell Jacket

EN ISO 20471:2013 Class III





HV160

Fabric: 100% flame resistant polyester with PU membrane, FR fleece backing, 300g/m2

Lining:100% FR cotton, 170g/m2 Reflective tape:5cm width FR tape

ESD FR Hi-Vi Trousers

Color:fluorescent orange, fluorescent yellow

Size: S-5XL

Fabric: 100% flame resistant polyester with PU membrane, FR fleece backing, 300g/m2

Reflective tape:5cm width FR tape

Color:fluorescent orange, fluorescent yellow







Size: S-5XL



Main fabric weight: 250gsm

Main fabric: 65% polyester, 35% cotton

Long Sleeve Working Overall

Size range: S-5XL

Colors available : blue, orange, khaki etc.



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Working garment

Size range: S-5XL

Colors available : blue, orange, khaki etc.



Main fabric weight: 250gsm

Main fabric: 65% polyester, 35% cotton

Size range: S-5XL

Working Jacket

Colors available : blue, orange, khaki etc.



Working garment

Main fabric: 65% polyester, 35% cotton

Size range: S-5XL

Colors available : blue, orange, khaki etc.



Main fabric weight: 250gsm

Working Bib Pants

Main fabric: 65% polyester, 35% cotton

Size range: S-5XL

Colors available : blue, orange, khaki etc.



Main fabric weight: 250gsm

Working garment



Main fabric weight: 250gsm Main fabric: 100% cotton Size range: S-5XL

Working Trousers

Colors available : blue, orange, khaki etc.





Working garment

Main fabric weight: 250gsm Main fabric: 100% cotton

Size range: S-5XL

Colors available : blue, orange, khaki etc.





Main fabric weight: 250gsm Main fabric: 100% cotton Size range: S-5XL

Working Shorts

Colors available : blue, orange, khaki etc.





Main fabric weight: 250gsm Main fabric: 100% cotton

Size range: S-5XL

Colors available : blue, orange, khaki etc..



Padded Jacket

Fabric: 20D nylon

Quilted and lining:100% polyester, 100gsm 100% polyester padding





Fabric: 20D nylon Quilted and lining:100% polyester,

100gsm 100% polyester padding

Size: S-5XL

45

Padded Waist Coat

Fabric: 100% polyester 290T taffeta, 65gsm

Padding: 100% polyester, 60gsm

Size: S-5XL

W991







Padded Jacket

Fabric: 100% polyester fleece, 280gsm Color available: blue, grey, black, green...

Size: S-5XL



Fabric: 100% polyester fleece, 280gsm Color available: blue, grey, black, green...

Size: S-5XL

Fleece Jacket





Fabric 1:100% polyester taffeta, down proof treatment, 65gsm

Fabric 2:95% polyester, 5% spandex, 260gsm, knitted fabric with fleece

Padding: 100% polyester, 60gsm

Size: S-5XL



Material: aramid flame retardant anti-static fabric

Afterburning time: 0s

FR Workwear

Flame retardant time: 0s

Damage length≤50mm

Breaking capacity ≥ 110N

Tear capacity ≥ 160N

Size range: S-5XL





Material:100% cotton,FR +anti-static treatment, 320gsm Size range: S-5XL



Material:100% cotton,FR+anti-static treatment, 360gsm Size range: S-5XL

FFR Jacket





Material:100% Cotton,FR+anti-static treatment, 360gsm Size range: S-5XL



Material:100% Cotton,FR+anti-static treatment, 360gsm Size range: S-5XL

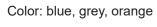
FR Bib Pants



Material: flame resistant fabric

ATPV: 8 cal/cm2

Flame retardant reflective tapes can be added to make it highly visible





Material: flame resistant fabric

CAT 3 45Cal Arc Flash Suit

ATPV: 45 cal/cm2

Flame retardant reflective tapes can be added to make it highly visible, and the

cooling system can be installed on the hood to keep the user cool.

Color: dark blue, medium blue, grey, orange



This equipment including in the thermal insulation suit, jacket, pants, helmet, hoods, gloves, boots.

- 1. Adopting 4 layers constructions, the surface layer is Dupont Nomex with aluminum foil composite material.
- 2. The middle layer of moisture barrier, high quality insulation blankets with comfortable lining.
- 3. Flame retardant, high temperature resistant, radiant heat resistant, waterproof, abrasion resistance, high anti peeling strength.

Standard: EN11612

Size: S-XXL



Protector Proximity Suit

This equipment including in the thermal insulation suit, jacket, pants, helmet, hoods, gloves, boots.

(A)Outer shell: AP34,aluminized aramid/pre oxidized fiber-340g/m2

(B)Thermal barrier: CF50, carbon felt - 500 g/m2

(C)Thermal barrier: AG25, aluminized glass fiber-250 g/m2

(D)Liner: aramid felt quited with aramid/FR viscose - 190 g/m2

(E)Seam for outer shell: AP34, aluminized aramid/pre-oxidized fiber-340g/m2

(F)Seam for thermal barrier: CF50, carbon felt -500 g/m2

(G)Seam for thermal barrier: AG25, aluminized glass fiber-250 g/m2

(H)Seam for liner: aramid felt quited with aramid/FR viscose - 190 g/m2

Standard:EN1486

Size: S-XXL



Thermal lining: 100@ para-aramid quilted to 50% nomex/ 50% FR viscose

Standard: NFPA 1971:2018

Colors: gold, navy Size: S-XXXL



Material: PBI 60% kevlar + 40% PBI

EN 469 standard Colors: gold, navy Size: S-XXXL

Firefight Suit





Moisture barrier: 80% m-aramid/ 20% p-aramid laminated to FR e-PTFE membrane 108gsm Thermal lining: 80% nomex/ 20% kevlar 140g quilted to 50% nomex/ 50% FR viscose 120gsm

Standard: EN469:2020- level 2

EN 1149-5

Colors: gold, navy Size: S-XXXL





Chainsaw Safety Jacket

Fabric: 4-way stretch fabric 230 g/m², light weight, breathable and comfortable.

High performance Cordura® knee and hem reinforcements for durability.

Mesh lining for an optimal wearing comfort.

Front protective inlay comply with EN ISO 11393-2 Type A Class I.

Features:

Front fly with zip closure and double press studs on waist.

2 side pockets with zippers.

2 inset back pockets with zippers.

1 patched thigh pocket with flap.

1 pocket for measuring equipment and spark plug.

Elasticated waist with loops for belt.

Buttons for detachable braces



Chainsaw garments

Fabric: 4-way stretch fabric 230 g/m², light weight, breathable and comfortable.

High performance Cordura® knee and hem reinforcements for durability.

Mesh lining for an optimal wearing comfort.

Front protective inlay comply with EN ISO 11393-2 Type A Class I.

Features:

Front fly with zip closure and double press studs on waist.

2 side pockets with zippers.

2 inset back pockets with zippers.

1 patched thigh pocket with flap.

1 pocket for measuring equipment and spark plug.

Elasticated waist with loops for belt.

Buttons for detachable braces.



Fabric: PVC/polyester/PVC

Thickness: 0.32mm

PVC Rain Suit

Size range: S-3XL





ROO2D

Fabric: 170T polyester/PVC

Size range: S-3XL

PVC Rain Suit

Color available:yellow,navy blue, green etc.

R003



Color: Hi-Vi yellow, Hi-Vi orange etc.

Size: S - 3XL



Fabric: PVC/polyester Thickness: 0.32mm Size range: S-3XL

Heavy Duty Rain Suit



Size: S - 3XL



Fabric: 170T polyester/PVC.

Size range: S-3XL

Hi-Vi Rain Coat

Color available:yellow,navy blue etc..



Size range: S-3XL

Color available:yellow,navy blue etc..

Fabric:PVC with reflective tape Size range: S-3XL Color available:yellow,navy blue etc..

PVC Rain Coat





Color available:yellow, pink, blue, orange etc..

Fabric:EVA

Size range: S-3XL

EVA Rain Suit

Color available:yellow, pink, blue, orange etc..



Material: PVC Thickness: 0.28mm Size: 90*105cm



