HAND PROTECTION

KANG SHIELD

performance&comfort

To be the more reliable partner in the security industry

2018~2019

http://www.kangshield.com/

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.

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


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VISUAL IDENTIFICATION SYSTEM


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HAND PROTECTION

- Dry environment
- Dirty environment
- Coating back
- Half back coating
- Comfortable
- Anti-slip
- Anti-puncture
- Anti-smashing
- Oil Resistant
- Security wrist
- Fire resistance
- Welding
- Oily environment
- Protection against cold
- Extensible
- Flexible
- Knit wrist
- Breathable
- Abrasion Resistant
- Cut resistant
- Wash at 40 °C
- Anti-bacterial

EN 420 GENERAL REQUIREMENTS

- Conform to harmlessness (pH, chrome VI level, etc).
- Conform to the size charts (see the following chart).
- Pass the dexterity test.
- Conform to the labelling, information and identification instructions.

SIZE AS PER STANDSRD EN420

SIZE	Hand dimensions		Minimal glove length
	Palm circumference	Length	
6	152	160	220
7	178	171	230
8	203	182	240
9	229	192	250
10	254	204	260
11	270	215	270

STANDARDIZED LABELING/IDENTIFICATION

All our products meet the requirements in directive 89/686/CEE. Each is clearly identified by a standardized label, on which you will see:

- Our brand logo.
- The product reference.
- The size.
- An information tag indicating that instructions are available for the product.
- The standardization pictogram(s) with their performance ratings.

EN 388

The EN388 standard applies to all types of protective gloves with respect to physical and mechanical aggression from abrasion, cutting form slicing, perforation and tearing.

PERFORMANCE LEVELS		REQUIREMENTS
	0→4	RESISTANCE TO PERFORATION
	0→5	Force required to pierce the sample with a standardized punch. RESISTANCE TO TEARING
	0→4	Maximum force required to tear the sample
	0→4	Number of cycles required to cut the sample at constant speed. ABRASION RESISTANCE
		Number of cycles required to damage the sample at constant speed.

TEST	Abrasion resistance (number cycle)	Blade cut resistance (index)	Tear resistance(N)	Puncture resistance(N)
LEVEL 1	100	1.2	10	20
LEVEL 2	500	2.5	25	60
LEVEL 3	2000	5	50	100
LEVEL 4	6000	10	75	150
LEVEL 5	—	20	—	—

EN 511		COLD RISK
		The EN511 standard defines the require ments and test methods for cold protection gloves from cold transmited by convection or conduction down to -30℃. This cold can be from climatic conditions or industrial activities.
PERFORMANCE LEVELS		REQUIREMENTS
	0→4	IMPERMEABILITY TO WATER
	0→4	RESISTANCE TO SUSTAINABLE COLD
	0→1	RESISTANCE TO CONVECTIVE COLD

EN 407	HEAT AND FIRE RISK
	The EN407 standard specifies the test methods, the general requirements, the thermal performance and the labelling of gloves to protect from heat and fire . It applies to all gloves which must protect hands from heat and flames in one or several of the following forms: fire, contact heat, convective heat, radiating heat, small spray of molten metal or large spray of melting metal.

PERFORMANCE LEVELS		REQUIREMENTS
	0→4	RESISTANCE TO LARGE METLING METAL SPRAY Amount of spray required to cause damage.
	0→4	RESISTANCE TO SMALL MELTING METAL SPRAY Amount of spray required to raise the glove to a certain temperature
	0→4	RESISTANCE TO RADIATING HEAT Time required to the raise to a given temperature level
	0→4	RESISTANCE TO CONVECTIVE HEAT Time during which the gloves is able to delay the transfer of the heat of a flame.
	0→4	RESISTANCE TO SUSTAINABLE HEAT Temperature (within the range from 100℃ to 500℃) at which the person wearing the gloves will not feel any pain (for a period of at least 15 seconds).
		RESISTANCE TO FLAME Time during which the material remains lighted and continues to be consumed after the ignition source has been eliminated.

PERFORMANCE LEVEL	CONTACT TEMPERATURE ℃	THRESHOLD TIME (SECOND)
1	100℃	≥15s
2	250℃	≥15s
3	350℃	≥15s
4	500℃	≥15s

EN 374-1

AGAINST THE RISKS OF MICRO-ORGANISMS &CHEMICAL RISKS

Standard EN374-1, protective gloves against chemicals and micro-organisms, specifies the performance requirements required for gloves for protecting users against chemical products and micro-organisms and defines the terms to be used:

• Penetration (tested as per standard EN374-2):
Diffusion, at a non-molecular scale, of a chemical product and/or micro-organism through the porosities, seams, micro-holes or other imperfections present in the material of the protective gloves.

• Permeation (tested as per standard EN374-3):
Process by which a chemical product diffuses through the material of the protective gloves, at the molecular scale .

Among the following chemical products, pick up 3 kinds of gloves to be tested. If the permeation index could at least up to degree 2, the gloves will be considered to have the anti-chemical corrosion performance.

CODE LETTER	CHEMICAL PRODUCT
A	Methanol
B	Acetone
C	Acetonitrile
D	Dichloromethane
E	Carbon disulfide
F	Toluene
G	Diethylamine
H	Tetrahydrofurane
I	Ethyl acetate
J	n-Heptane
K	Caustic soda 40%(NaOH or sodium hydroxide)
L	Sulphuric acid 96%

Passage time measured(MN)	Performance index to permeation
>10mn	1
>30mn	2
>60mn	3
>120mn	4
>240mn	5
>480mn	6

Examples of application:

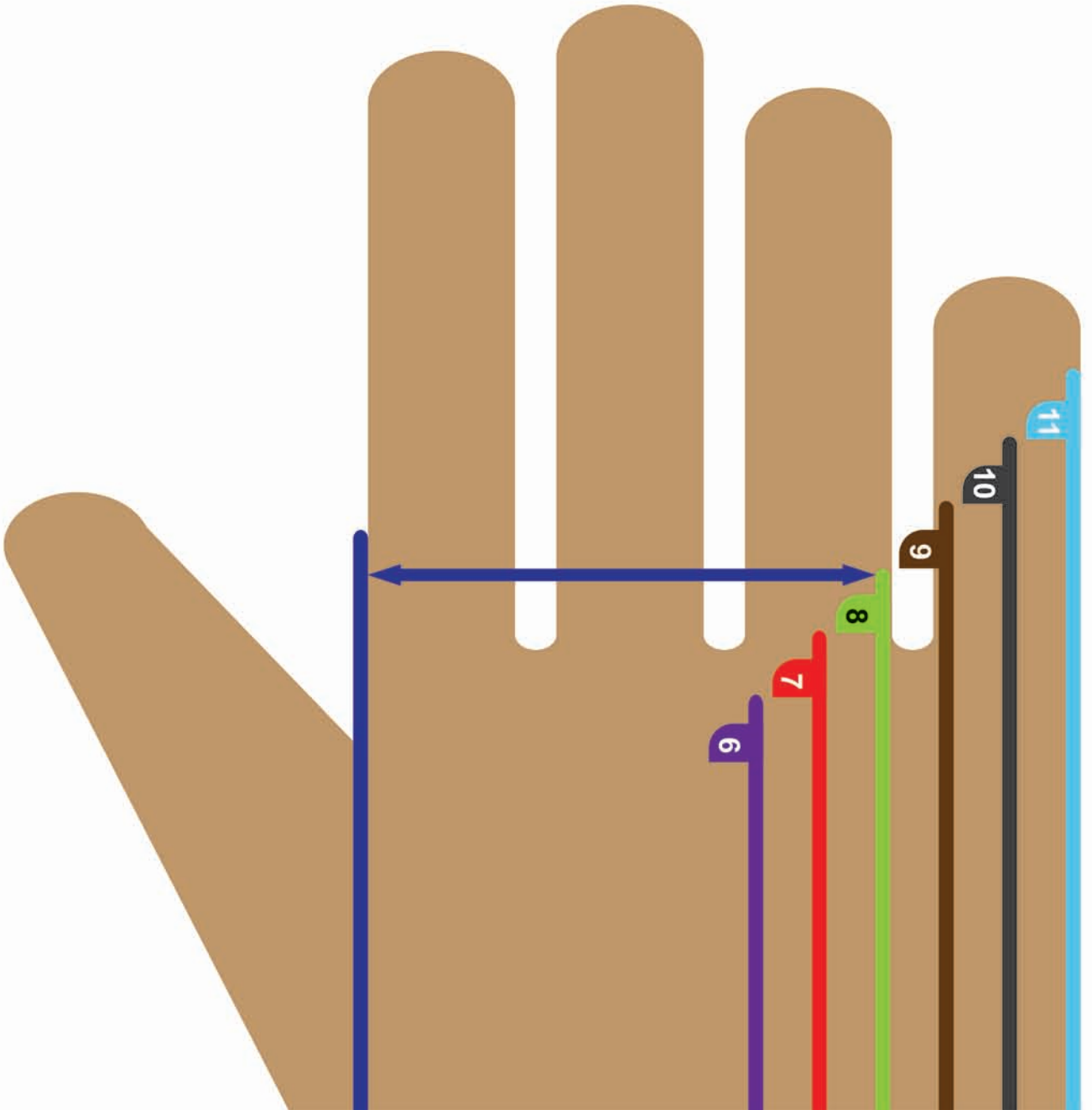
	The application field is certain. According to the case, the gloves must be water proof, air proof,micro-organisms resistant, anti-low concentration chemical splash, resistant to low concentration chemical or other chemical corrosion. It is therefore highly important to consult the recommended fields of use.
CATEGORIES AS PER CATEGORIAS EM 89/686CEE	**EXAMPLES OF USES APPLICATIONS**
CE **CAT I** **For minor risks**	Waterproof gloves for very frequent and prolonged use(dish washing gloves)
CE **CAT III** **For intermediary risks**	Glove against micro-organisms (bacteria,fungi),air and water proof
CE **CAT III** **For irreversible risks**	Glove offering low protection against Chemical products (occasional contact), air and water proof.
CE **CAT III** **For irreversible risks**	Glove against chemical products (direct and prolonged contact), air and water proof.

EN 12477	WELDERS RISK
	Requirements and test methods for gloves used for manual of welding metals, for cutting and related techniques. Welder gloves are ranked in two types: B when great dexterity is required, and A for other welding processes.

ISO 2859	DISPOSABLE GLOVES
	Determine the acceptable quality level (AQL):AQL 1.5L for instance.
	**FOOD COMPATIBILITY** Regulation (EC)N° 1935/2004 of the European Parliament and of the council of 27th October 2004 on materials and articles intended to come into contact with foodstuffs. Materials and articles must be manufactured in compliance with good manufacturing practice so that, under normal or foreseeable conditions of use, they do not transfer their constituents to food in quantities which could: • Endanger human health. • Bring about an unacceptable change in the composition of the food or a deterioration in the organoleptic characteristics thereof. Food contact of plastic materials is governed by Regulation(EU). No 10/2011 of the Commission of 14 January 2011 repealing the directive 2002/72/EC. PVC/vinyl or even Later/Nitrile gloves(unless local legislation exists) are directly subject to this directive. It defines: • Positives lists of authorized constituents; • The purity criteria applicable to some of these constituents; • Maximum residual quantities of some constituents in the material; • An overall migration limit in foods (10mg/dm² of material or 60mg/kg of food). Directive 85/572/EC provides the list of stimulants to be used for testing migration of constituents of plastic materials and articles intended to come into contact with foodstuffs: • Aqueous foods (PH>4.5): Stimulant A. • Acid foods (PH≤4.5):Stimulant B. • Alcoholic foods: Stimulant C. • Fatty foods: Stimulant D. • Dry foods: Stimulant E.

GLOVE SIZE TABLE

Right palm close together fingers down on the map. The index finger should be aligned with the blue line (but should not be covered), and the position of the thumb bifurcation corresponds to the location depicted in the figure. The data in the figure is based on your hand width as your size. You can read your size in the colored lines.



ANTI-SMASHING GLOVES

KRONOS76-110

Add reflective strips in the middle of the back of the hand to increase the reflective effect.

Use PVC glue to increase the anti-slip performance.

Standard: CE EN388-4121

- **Material:** polyester stair cloth, microfiber leather, anti-slip
  ① The palm with microfiber leather and PVC dots can be more durable and smooth.
  ② The TPR finger and the back of the hand can be avoided from injure in the operation, and the sealing of the palm of the Kevlar fire resistant line can continue to work at high temperature.
- **Application industry:** construction, maintenance, oil and gas, material handing.

The back of the hand adopts TPR material to increase the anti-smashing effect.

CUT RESISTANT GLOVES

KRONOS75-544

The knitted cuff can effectively protect the wrist.

The grinding material is used to improve the anti-slip effect and good wear resistance.

Standard: CE EN388-4543

- The cuffs can be used in a variety of colors to distinguish sizes.
- **Knitting:** 13G HDPE
- **Coating:** sandy nitrile
- **Cut level:** 5
- **Size:** 8.9.10
- Flexible and comfortable; Abrasion resistant; tear resistant.

The use of HDPE material can achieve better anti-cut effect.

KANGSHIELD73-211

PVC dotted gloves

Knitting: 10G
Coating: PVC dotted
Size: 8.9.10

- The palm and the back of the hand are used with glue to increase the wear resistant and anti-slip effect of gloves.
- Suitable for construction, farm planting, gardening, auto repair, mining etc.

KANGSHIELD74-526

Welding gloves

Material: cow leather
Cuff: safety cuff
Length: 14"

- Adopt good AB – grade cow leather, prevent from the arc burn, spray scald and contact scald.
- Suitable for welding, cutting, assembling and carrying.

KANGSHIELD74-622

Sheepskin gloves

Material: sheep leather
Length: 10"

- Adopt high-quality sheepskin, which will be more comfortable and breathable.
- Suitable for welding, driving, assembling, handling environments.

KANGSHIELD79-314

Latex coated gloves

Knitting: 7 gauge acrylic flannelette.
Coating: Foamed latex
Size: 8.9.10

- Elastic and comfortable, good grip.
- Excellent breathability.
- Special suitable for mechanical and low-temperature environments.

Standard: CE EN388-2231

KANGSHIELD73-212

Cotton gloves

Knitting: 10G
Weight: 50g
Size: 8.9.10

- Suitable for construction, farm planting, gardening, auto repair, mining etc.

KANGSHIELD70-314

Latex coated gloves

Knitting: 10 gauge cotton
Coating: Latex wrinkling
Size: 8.9.10

- Flexible and comfortable.
- Excellent grip and anti-slip.
- Suitable for mechanical environments.

Standard: CE EN388-2242

MIBRON77-510

PU coated gloves

Knitting: 13G polyester
Coating: PU
Weight: 28g
Size: 8.9.10

- Flexible and super comfortable.
- Excellent elastic, micropore structure.
- Abrasion resistance, tear resistance.
- Anti--static.

Standard: CE EN388-4111

MIBRON77-354

Latex coated gloves

Knitting: 13G polyester
Coating: Foam latex
Weight: 33g
Size: 8.9.10

- Flexible and super comfortable.
- Excellent breathability.
- Suitable for mechanical environments.

Standard: CE EN388-2131

MIBRON77-350

Latex coated gloves

Knitting: 13G polyester
Coating: Latex wrinkling
Weight: 33g
Size: 8.9.10

- Flexible and super comfortable.
- Excellent breathability.
- Suitable for mechanical environments.

Standard: CE EN388-2242

INTERFACE72-482

Disposable nitrile gloves

Material: Nitrile
Weight: 5g
Size: S.M.L
Thickness: 4mil
Length: 9”

- Suitable for medical industry, food processing and industry.

Standard: CE EN455-1 EN455-2 EN455-3

KANGSHIELD79-128

PVC coated gloves

Liner: Foam-insulated liner
Coating: PVC
Size: 11

- Suitable for mechanical and low-temperature environments.

Standard: CE EN388-3121

KANGSHIELD79-126

PVC coated gloves

Liner: Foam-insulated liner
Coating: PVC
Size: 11”

- Suitable for mechanical and low-temperature environments.

Standard: CE EN388-3121

KANGSHIELD71-141

PVC gloves

Liner: Cotton liner
Coating: PVC
Size: 30cm

- Suitable for mechanical and chemical environments.

Standard: CE EN388-3121 EN374-3

KANGSHIELD71-241

PVC gloves

Liner: Cotton liner
Coating: Sandy PVC
Size: 30cm

- Suitable for mechanical and chemical environments.

Standard: CE EN388-3121 EN374-3

KANGSHIELD79-129

PVC gloves

Liner: Foam-insulated liner
Cuff: Knitting
Coating: Sandy PVC
Size: 11"

- Suitable for mechanical and low-temperature environments.

Standard: CE EN388-3121

KANGSHIELD79-127

PVC gloves

Liner: Foam-insulated liner
Cuff: Knitting
Coating: Sandy PVC
Size: 11"

- Suitable for mechanical and low-temperature environments.

Standard: CE EN388-3121

KRONOS70-438

Nitrile coated gloves

Liner: Cotton wool
Cuff: Safety cuff
Coating: Nitrile
Weight: 100g
Size: 8.9.10

- Comfortable and convenient.
- Excellent abrasion and low temperature resistance.
- Oil proof ,penetration resistance.

Standard: CE EN388-4111

KRONOS70-426

Nitrile coated gloves

Liner: Cotton wool
Cuff: Knitting cuff
Coating: Nitrile
Weight: 100g
Size: 8.9.10

- Comfortable and convenient.
- Excellent abrasion and low temperature resistance.
- Oil proof ,penetration resistance.

Standard: CE EN388-3111

KANGSHIELD73-411

PVC dotted gloves

Liner: Twill cotton
Coating: PVC dotted
Weight: 65g
Size: 8.9.10

- Suitable for construction, farm planting, gardening, auto repair, mining etc.

KRONOS75-316

Cut resistant gloves

Knitting: 13G HDPE
Coating: PU
Cut level: 3
Size: 8.9.10

- Flexible and comfortable.
- Abrasion resistance, tear resistance.

Standard: CE EN388-4342

KRONOS75-410

Cut resistant gloves

Knitting: 18G HDPE
Coating: PU
Cut level: 3
Size: 8.9.10

- Flexible and comfortable.
- Abrasion resistance, tear resistance.

Standard: CE EN388-4342

KRONOS75-551

Cut resistant gloves

Knitting: 13G HDPE
Coating: Latex wrinkling
Cut level: 5
Size: 8.9.10

- Flexible and comfortable.
- Abrasion resistance, tear resistance.

Standard: CE EN388-4542

KRONOS75-556

Cut resistant gloves

Knitting: 13G HDPE
Coating: Foam latex
Cut level: 5
Size: 8.9.10

- Flexible and comfortable.
- Abrasion resistance, tear resistance.

Standard: CE EN388-4542

KANGSHIELD78-214

Insulating gloves

Material: latex

- Electrical insulation grade: 10kv.
- Flexible and super comfortable.
- Can be used with ordinary gloves.
- Suitable for electrical environments.

MIBRON77-512

PU coated gloves

Knitting: 13G polyester
Coating: PU
Weight: 28g
Size: 8.9.1

- Flexible and comfortable.
- Excellent elastic, micropore structure.
- Abrasion resistance, tear resistance.
- Antistatic.

Standard: CE EN388-4111

KANGSHIELD74-716

Cowhide work gloves

Material: Cow leather + twill
Cuff: Safety cuff
Length: 10”

- Flexible and comfortable
- Suitable for welding, cutting, assembling and carrying

KANGSHIELD71-315

Latex gloves

Material: Latex
Weight: 50g
Size: S.M.L.XL

- Flexible and comfortable.
- Suitable for dry and wet environments.
- Widely used in daily life, the catering trade and other field.

MIBRON77-536

Nitrile coated gloves

Knitting: 13G polyester
Coating: Foam nitrile
Weight: 33g
Size: 8.9.10

- Flexible and super comfortable.
- Excellent breathability.
- Suitable for mechanical environments.

Standard: CE EN388-4121

MIBRON77-530

Nitrile coated gloves

Knitting: 13G polyester
Coating: Nitrile
Weight: 33g
Size: 8.9.10

- Flexible and super comfortable.
- Excellent breathability.
- Suitable for mechanical environments.

Standard: CE EN388-4111

MIBRON77-524

Nitrile coated gloves

Knitting: 13G polyester
Coating: Sandy nitrile
Weight: 35g
Size: 8.9.10

- Flexible and super comfortable.
- Excellent breathability.
- Suitable for mechanical environments.

Standard: CE EN388-4111