

HAND PROTECTION



Your Safety Company

Anderco Safety, founded in 1976, has a history of continuous growth, development and innovation. All these are reflected in the achievement of its mission statement - Excellence in Safety.

The company operates from offices and distribution points in both **Dublin and Cork** and has an excellent track record in supplying high quality equipment and clothing across all market sectors. Anderco is now one of the most progressive suppliers of both general and specialised occupational equipment and clothing in Ireland with a client base which includes multi-national organisations from pharmaceutical and chemical to electronics, the service sector, local authorities, government departments and general industry.

Anderco has earned an outstanding reputation for quality and is ISO9002 registered. The company strives to create close working relationships with clients and is proud of its pro-active customer service ethos. This catalogue introduces the **Express Range**, the products which represent those most widely used throughout industry today. These products are available for **24 hour delivery**. Also included is detailed information on the relevant product standards to assist you with the selection process.

Anderco's safety partnership approach has set new standards. From **24 hour, 365 days a year** emergency availability to on site training, Anderco continuously strives to exceed customer expectations. With our designated account managers always on call we are genuinely committed to the success of your business.



Protecting You

Anderco has an extensive product portfolio covering many areas...

- **Head Protection**
- **Eye & Face Protection**
- **Hearing Protection**
- **Respiratory Protection**
- **Hand Protection**
- **Foot Protection**
- **Workwear & Protective Clothing**
- **High Visibility Clothing**
- **Seasonal & Foul Weather Clothing**
- **Corporate Clothing**
- **Cleanroom Clothing & Supplies**
- **Fall Arrest Equipment**
- **Safety Signs**
- **Gas Detection**
- **Chemical Spill Products**
- **Road Safety Products**
- **Hygiene Supplies**
- **First Aid Products**



Hand Protection

Hands at work are extremely vulnerable to a wide range of hazards, which include cuts, blows, chemical attack and temperature extremes. The extent of protection which will be provided depends on the type of glove selected, how it is made and what it is made of. Inevitably, there will be a mixture of features which are desirable and, in the end, a compromise choice is often the result.

Full on site training and assistance can be given by Anderco on implementing a hand protection programme.

In the following pages we have detailed our **Express Range**, a cross section of products which represents those most commonly used in industry today. Should you have a requirement which is not met by this range of products please contact our **Sales Helpdesk on 1850 303 304** for details of our full range.



Vinyl Low Powder Exam Gloves

Standard	EN420
Description	Disposable, ambidextrous, vinyl gloves. Lightly powdered (with USP grade corn starch) for easy donning. Clear with beaded cuff for added strength. Made from high quality, PVC Plastisol. An alternative for people who have become sensitised to natural rubber latex. For use in low risk applications. Also suitable for food contact.
Sizes	S – XL 100 Gloves/Disp, 10Disp/Case

G2461/Size

Latex Low Powder Exam Gloves

Standard	EN420
Description	Natural rubber, latex gloves lightly powdered for easy donning. These gloves are ambidextrous and have a beaded cuff for added strength. Excellent dexterity and tactile sensitivity. For use in low risk applications.
Sizes	XS – XL 100 Gloves/Disp, 10Disp/Case

G2468/Size

Latex Powder Free Exam Gloves

Standard	EN420
Description	High quality, chlorinated gloves manufactured from low allergenic natural rubber latex. Disposable, ambidextrous and powder free, these gloves offer excellent dexterity and tactile sensitivity. For use in low risk applications.
Sizes	XS – XL 100 Gloves/Disp, 10Disp/Case

G2475/Size

Hand Protection

7005 N Dex Nitrile Glove

Standard	EN420, EN374
Description	Disposable, ambidextrous, 0.1mm blue nitrile gloves. Lightly powdered. Specially formulated nitrile gives resistance to a wide range of liquid and powder chemicals. Excellent fit and dexterity with increased levels of tear and puncture resistance. 100% latex free. For low risk applications.
Sizes	S - XL 100 Gloves/Disp, 20 Disp/Case

G7005/Size

7005PF N Dex nitrile powder free gloves

Standard	EN420, EN374
Description	Disposable, ambidextrous, 0.1mm blue nitrile gloves. Powder free. Specially formulated Nitrile gives resistance to a wide range of liquid and powder chemicals. Polymeric coating to aid wet hand donning. Excellent fit and dexterity with increased levels of tear and puncture resistance. 100% latex free. For low risk applications.
Sizes	S - XL 100 Gloves/Disp, 20Disp/Case

G7005PF/Size

8005 N Dex Nitrile Glove

Standard	EN420, EN374
Description	With increased thickness to 0.2mm, this version of the popular N Dex gives additional resistance to a broad range of liquid and powder chemicals. Disposable and ambidextrous, these blue nitrile gloves are lightly powdered. Specially formulated nitrile gives resistance to a wide range of liquid & powder chemicals. Excellent fit and dexterity with increased levels of tear and puncture resistance. 100% latex free. For low risk applications.
Sizes	S - XL 50 Gloves/Disp, 20Disp/Case

G8005/size

9905PF N Dex Nitrile Long Cuff Glove

Standard	EN420, EN374
Description	N Dex with increased thickness to 0.15mm and 11" long, disposable blue nitrile powder free glove. Ambidextrous with a rolled cuff. A polymeric coating aids wet hand donning. Specially formulated nitrile gives resistance to a wide range of liquid and powder chemicals. Excellent fit and dexterity with increased levels of tear and puncture resistance. 100% Latex free. For low risk applications.
Sizes	S - XL 50 Gloves/Disp, 20Disp/Case

G9905 PF/size

7705PF N Dex Free

Standard	EN420, EN374
Description	Disposable, ambidextrous, 0.1mm blue, nitrile gloves. Lightly powdered. Specially formulated Nitrile gives resistance to a wide range of liquid and powder chemicals. Excellent fit and dexterity with increased levels of tear and puncture resistance. 100% latex free. Free from all accelerators common in all disposable nitrile gloves.
Sizes	S - XL 100 Gloves/Disp, 20Disp/Case

G7705PF/Size



Hand Protection



Household Latex Glove

Standard	EN420
Description	High quality, household style gloves made from natural rubber latex. Cotton flock lined for easy donning and comfort during use. 12" long.
Sizes	S - XL 12 Pairs/Pack, 12 Packs/Case

G2371/Size



Optipro Nitrile Glove

Standard	EN420, EN388 4002, EN374
Description	100% nitrile rubber, cotton flocklined and chlorinated. Durable glove with good abrasion resistance. For complex risk applications, such as certain types of chemical handling.
Sizes	S - XL 10 Pairs/Pack, 10 Packs/Case

G2370/ size



PVC Knit Wrist Glove

Standard	EN420, EN388 4121
Description	Red PVC, fully coated, knit wrist glove. For general handling. Flexible and waterproof. Excellent in wet conditions.
Sizes	Unisize 12 Pairs/Pack, 10 Packs/Case

G2304



PVC Open Wrist Glove

Standard	EN420, EN388 4121
Description	Red PVC, fully coated, open wrist glove. For general handling. Flexible and waterproof. Excellent in wet conditions.
Sizes	Unisize 12 Pairs/Pack, 10 Packs/Case

G2305



PVC Gauntlet 14"

Standard	EN420, EN388 4121
Description	Red PVC, fully coated, gauntlet 14". For general handling. Flexible and waterproof. Excellent in wet conditions.
Sizes	Unisize 12 Pairs/Pack, 6 Packs/Case

G2308

Hand Protection

PVC Open Wrist 18" Gauntlet

Standard EN420, EN388 4121

Description Red PVC, fully coated, gauntlet 18". For general handling. Flexible and waterproof. Excellent in wet conditions.

Sizes Unisize
12 Pairs/Pack, 6 Packs/Case

G2309



Hustler Glove

Standard EN420, EN388 4121, EN374

Description PVC Gauntlet with nitrile reinforced coating. 12" in length. Hustler's rugged coating gives excellent abrasion resistance and superior protection against solvents and acids. Suitable for material handling in acids, oil, grease, caustics and a range of solvents.

Sizes Unisize
12 Pairs/Pack, 6 Packs/Case

G725R/9



Neo Grab Glove

Standard EN420, EN388 3221, EN374

Description Heavy duty, neoprene coating. Rough finish. Unique triple layer construction with foam insulation. Sanitised with good chemical and abrasion resistance.

Sizes Unisize
12 Pairs/Pack, 6 Packs/Case

G6797R /10



Black Rubber Gauntlet 17"

Standard EN420, EN388 4121, EN374

Description Natural rubber, medium weight, 17" gauntlet. Offers protection against a wide range of hazardous substances, whilst providing maximum flexibility and wearer comfort.

Sizes M - XL
12 Pairs/Pack

GR203/Size



Black Rubber Gauntlet 24"

Standard EN420, EN388 4121, EN374

Description Natural rubber, medium weight, 24" gauntlet. Offers protection against a wide range of hazardous substances, whilst providing maximum flexibility and wearer comfort.

Sizes M - XL
6 Pairs/Pack

GR208/9



Hand Protection



Silver Shield Glove

Standard EN420, EN374

Description Unique 5 layer laminate of PE and EVOH. Withstands permeation after immersion in over 280 different chemicals for 4 hours or more. Excellent chemical protection. 19" long. Can be worn as a liner under heavier gloves if abrasion or puncture hazards are present.

Sizes 8, 10
10 Pairs/Pack, 20 Packs/Case

G11500/Size



Cotton Interlock Glove

Standard EN420

Description Interlock, cotton knit wrist glove. Can be used as a glove liner for additional comfort fit, or stand alone for light handling.

Sizes Unisize
12 Pairs/Pack, 50 Packs/Case

G2120



Woven Cotton Gloves

Standard EN420

Description Knitted glove with elasticated wrist. Suitable for light handling of non hazardous goods.

Sizes Unisize
12 Pairs/Pack, 25 Packs/Case

G2137



Chrome Cotton Glove

Standard EN420

Description Standard quality, chrome split leather palm glove with lightweight cotton back and knitted wrist. Ideal for light handling of non hazardous goods.

Sizes Unisize
12 Pairs/Pack, 25Packs/Case

G2070



Polka Dot Cotton Glove

Standard EN420

Description Lightweight, cotton glove with vinyl polka dots and knitted wrist. Ideal for handling of light non hazardous goods.

Sizes Unisize
12 Pairs/Pack, 25 Packs/Case

G2265

Hand Protection

KPG Glove

Standard EN420, EN388 3121
Description Breathable, PVC coated, general handling glove. Seamless cotton knit liner enhances comfort. Abrasion resistance with excellent grip. Comfortable, cool to wear, durable gloves.

Sizes L - XL
12 Pairs/Pack, 6 Packs/Case

G960/Size



Best Lite Glove

Standard EN420, EN388 3111
Description Smooth finished glove with nitrile palm coating. Cotton interlock liner helps prevent skin irritation and provides comfortable wear. Ergonomically designed. Dirt repelling nitrile coating provides a strong grip and long use, even with abrasive materials.

Sizes L - XL
12 Pairs/Pack, 6 Packs/Case

G4400 /Size



Answer Glove

Standard EN420, EN388 3111
Description Nitrile laminated glove combining the look and feel of leather with the durability, flexibility, cut, puncture and abrasion resistance of nitrile laminated fabric. Comfortable to wear. Ideal for general handling. (Also available with long cuff as special order, code 2735-27-09.)

Sizes XS-XL
12 Pairs/Pack, 12 Packs/Case

G2735/Size



Nitri-Pro Knitted Wrist Glove

Standard EN420, EN388 4212
Description Heavy duty, nitrile coated, smooth finished glove. Fully coated. Knitted wrist with two piece cotton jersey liner. Superior abrasion resistance and excellent resistance to oils and grease. A high quality alternative to leather work gloves.

Sizes Unisize
12 Pairs/Pack, 6 Packs/Case

G7000/10



Nitri-Pro Safety Cuff Glove

Standard EN420, EN388 4212
Description Heavy duty, nitrile coated, smooth finished glove. Fully coated. Safety cuff with two piece cotton jersey liner. Superior abrasion resistance and excellent resistance to oils and grease. A high quality alternative to leather work gloves.

Sizes Unisize
12 Pairs/Pack, 6 Packs/Case

G7166/10





Fully Coated Latex Glove

Standard EN420, EN388 2121
Description General purpose handling glove with cotton liner. Knitted wrist and heavy duty latex over coating with crinkle finish. Good abrasion resistance and high levels of grip when wet.

Sizes One size
 12 Pairs/Pack, 10 Packs/Case

G2175



Strapper Glove

Standard EN420, EN388 3121
Description Nitrile laminated coating providing good mechanical resistance. Textured finish enhances grip and dexterity. Cotton knit liner. Superior comfort. Striped cotton back, knuckle and finger tip protection. Elasticated safety cuff for added protection.

Sizes 9/10
 12 Pairs/Pack, 6 Packs/Case

G2791/Size



Insulated Strapper Glove

Standard EN420, EN388 3111
Description Nitrile laminated coating providing good mechanical resistance. Textured finish enhances grip and dexterity. Heavy fleeced lining for cold weather protection. Superior grip, wear and comfort. Elasticated safety cuff for added protection.

Sizes 9,10
 12 Pairs/Pack, 6 Packs/Case

G2966/Size



Block Rigger Glove

Standard EN420, EN388 2121
Description High quality, cow hide leather glove. Reinforced palm with safety cuff. Elasticated back and vein protection.

Sizes Unisize
 12 Pairs/Pack, 10 Packs/Case

G2032



Pasa Rigger Glove

Standard EN420
Description Pig split leather handling glove. Safety cuff with vein protection. Elasticated back. Comfortable, general purpose handling glove. Not suitable for extended wet applications.

Sizes Unisize
 12 Pairs/Pack, 10 Packs/Case

G2000

Hand Protection

Furniture Hide Rigger Glove

Standard	EN420
Description	Furniture cow hide glove supplied in colours as available. Palm patch with safety cuff. Elasticated back with vein protection.
Sizes	Unisize 12 Pairs/Pack, 10 Packs/Case

G2005



Chrome Rigger Glove

Standard	EN420
Description	Standard quality, grey chrome leather with cotton stripped back. Palm patch with safety cuff. Elasticated back and vein protection.
Sizes	Unisize 12 Pairs/Pack, 10 Packs/Case

G2040



All Grip Glove

Standard	EN420, EN388 3243
Description	A seamless, durable cotton liner with rubber coating on the palm and fingers. Wrinkle finish. Provides excellent grip and high levels of dexterity.
Sizes	L-XL 10 Pairs/Pack, 12 Packs/Case

G2240/Size



Skinny Dip Aramid Glove

Standard	EN420, EN388 2444
Description	Kevlar (100%), seamless liner with flexible, natural rubber coating. Wrinkle finish. Excellent cut, abrasion and tear resistance. Superior dexterity and comfort.
Sizes	L-XL 12 Pairs/Pack, 6Packs/Case

G4811/ Size



Green Lined Welder Glove

Standard	EN420, EN388
Description	Green, standard quality, leather gauntlet. Fully lined.
Sizes	Unisize 12 Pairs/Pack, 6 Packs/Case

G1200



Hand Protection



Red Welder Glove

Standard	EN420, EN388 4143, EN407 413X4X
Description	Red, high quality leather welders gauntlet. Fully lined with increased protection.
Sizes	Unisize 12 Pairs/Pack, 6 Packs/Case

GCW2



Polysafe Heat/Cut Resistant Glove

Standard	EN420, EN388 2441, EN407 41XXXX
Description	A heavy duty, Kevlar, cut resistant glove for situations where sharp edges are a hazard. Offers heat and abrasion resistance.
Sizes	Unisize 10 Pairs/Pack, 6 Packs/Case

GFKK7KW



Polysafe Kevlar/Nitrile Glove

Standard	EN420, EN388 4343, EN407 4241XX
Description	Kevlar outer with a nitrile rubber liner. Combines heat and abrasion resistance with liquid protection.
Sizes	Unisize 6 Pairs/Pack, 6 Packs/Case

GFTKNT35



Polysafe Heat Resistant Glove

Standard	EN420, EN388 1442, EN407 42411X
Description	A new, advanced, heat resistant coating. Extraordinarily flame and heat resistant. Will withstand limited exposure to 500°C.
Sizes	Unisize 10 Pairs/Pack, 6 Packs/Case

GFKK835KL

Selection Guide

• IDENTIFY THE HAZARDS

Evaluate the **physical conditions** you will subject the glove to and determine which types of resistance are most important. Physical conditions such as abrasion, cut, puncture and temperature can influence chemical resistance.

Consider features needed for your **application** such as grip, length, dexterity, comfort, insulation, type of glove, and extent of coating.

Select the glove that offers you the **optimum combination** of features, benefits and resistance to both physical and chemical hazards.

For details of chemical resistance please refer to our Technical Helpdesk on 1850 303 304.

Select a thinner gauge unsupported glove when you need **extra dexterity and tactile sensitivity**. Choose a heavier gauge glove for greater protection and wear. Consider a flock-lined unsupported glove for extra comfort, insulation and wear. Choose a supported glove or a cut and sewn glove for added cut, snag, puncture or abrasion resistance.

Choose the finish you need for the **grip** necessary for your application: rough, smooth, wrinkled, embossed, bisque, etc.

Select the glove by determining the **depth** to which your hand and arm will be immersed in a solution and the extent to which you will need splash protection.

Ensure the glove which you select is the **correct size**, fits properly and provides dexterity and comfort.

For **product protection**, consider the toughness, fit, thickness and degree of disposability required. Use a style that provides the most important of these features and benefits.

Glove **colours** can often be used to help identify contamination or to designate critical work areas. Use the style most suited for your needs.

We have identified three main classes of hazards. These are:

1. Mechanical hazard such as abrasion/cut/puncture/tear
2. Chemicals and micro-organisms
3. Thermal hazards (cold/heat)

• TYPE OF PROTECTORS AVAILABLE

The prime protective capacity and inherent features of a glove are determined by the material composition of the product. Listed below are the most common glove materials, to assist you in understanding their various properties.

COTTON AND LEATHER WORK GLOVES

Made from natural fibres, comfortable and extremely versatile. A wide range of styles are available to cover a wide range of hazards from heat to abrasion. Depending on the construction/quality, natural fibre gloves can ultimately offer the highest levels of comfort and excellent wearer acceptability. However, these properties are normally available on higher end gloves. The general range of gloves available tends to consist of mass produced, imported products where consistent quality can be difficult to maintain.

NATURAL RUBBER LATEX

Natural rubber has excellent abrasion, cut and tear resistance, as well as outstanding grip and temperature resistance. It is flexible and durable in temperatures ranging from 0° F to 300° F (-17° C to 150° C).

Latex gloves are soft, flexible and thin gauge. They do not offer the same resistance as thicker gloves, but offer high levels of tactility and dexterity. These gloves can be disposable, making them ideal for single use applications such as lab work, tableting and packaging areas. Natural rubber, however, has poor flame resistance. It generally withstands all liquids that will mix with water, such as acetones and alcohols, but not those such as petroleum and oil-based solvents. Natural rubber is a hydrocarbon. It swells and degrades in contact with hydrocarbon fluids like kerosene and gasoline. It is not recommended where resistance to grease, oil and petroleum solvents is required.

NEOPRENE

Neoprene provides excellent resistance to a broad range of hazardous chemicals, including acids, alcohols, oils, fats, caustics, inks, grease, refrigerants, ketones, detergents and fertilizers. Neoprene provides good abrasion resistance, but not as good as PVC or Nitrile. It also provides good cut resistance, but not as good as natural rubber. Neoprene has excellent tactile strength and resembles natural rubber in feel and flexibility, but is much more chemical resistant and impermeable to gases, vapour and moisture. Neoprene also resists degradation, due to ageing, sunlight, ozone, oxidation and weather.

Neoprene performs well and resists degradation in continuous contact up to 200° F (93° C), and in intermittent contact up to 300° F (150° C), hardening and becoming less resilient above that. Neoprene remains flexible and performs well in the range of -10° F (-23° C), below that it stiffens and becomes brittle at around -40° F.



Selection Guide

NITRILE

Nitrile is a synthetic rubber that provides excellent resistance to a wide range of solvents and hazardous chemicals, as well as resistance to puncture, cut, snag and abrasion. Nitrile offers excellent protection against oils, greases, acids, caustics and petroleum products.

Nitrile gloves are often soft, flexible and thin gauge. They withstand less permeating chemicals in intermittent contact. Nitrile can also be used to make heavier gauge gloves that provide greater resistance to chemical and physical hazards. The thicker a nitrile glove, the greater its resistance to chemicals, however as the glove gains chemical and physical toughness, it loses its flexibility. Depending on the glove type and application, nitrile can function well in temperatures ranging from 25° F (-4° C), to 300° F (150° C). Nitrile gloves have a better resistance to cuts and abrasion, than Neoprene or PVC.

PVC

PVC is a synthetic thermoplastic polymer that provides excellent resistance to most acids, fats, caustics and petroleum carbons in addition to outstanding abrasion resistance. Although flexible, PVC lacks the tactile sensitivity of rubber.

PVC can be used to make soft flexible, thin gauge gloves, which do not offer the same resistance as thicker gloves, but offer high levels of tactility and dexterity. These gloves are disposable making them ideal for single use applications such as lab work, tableting and packaging areas. PVC gloves are useful in alcohols and glycol ethers, but not in aldehydes, ketones, aromatic hydrocarbons, halogen compounds, heterocyclic compounds or nitro-compounds.

Depending on the particular glove and application, PVC gloves may function well in temperatures ranging from 25° F (-4° C) to 150° F (65° C). PVC begins to melt around 180° F (82° C). For brief intermittent contact PVC gloves may be effective in temperatures up to about 212° F (100° C).

BUTYL

Butyl rubber provides superior resistance to highly corrosive acids and is excellent for handling ketones and esters. This synthetic rubber provides the highest permeation resistance to gases and water vapours of any protective material used to make gloves. However, it does not offer the physical strength of natural rubber. Butyl rubber provides good chemical resistance to bases, alcohols, amines, amides, glycol ethers, nitro-compounds and aldehydes, but does not perform well in halogen compounds, aliphatic or aromatic hydrocarbons.

VITON

Viton is the most chemically resistant of all the rubbers and protects against such toxic and highly permeating chemicals as polychlorinated biphenyls (PCB's), polychlorinated triphenyls, benzene and aniline. This fluoroelastomer provides excellent resistance to aromatic and aliphatic hydrocarbons and also chlorinated solvents. However Viton does not work well in ketones. Viton also provides excellent resistance to gas and water vapours and is flexible, but offers minimal resistance to cuts and abrasion. For applications where Viton is recommended for chemical resistance, and protection from physical hazards, heavier-gauge Viton gloves will perform better.

- **ANTISTATIC/CONDUCTIVE GLOVES**

Please contact our **Technical Helpdesk** on 1850 303 304 for full details on the range of products available.

- **CLEAN ROOM GLOVES**

Please contact our **Technical Helpdesk** on 1850 303 304 for full details on the range of products available.

- **CARE & MAINTENANCE**

Contaminated and worn gloves may fail to protect from the very hazard they were designed for. Effective protection is maintained by regular glove replacement. Check the condition of gloves, inside and out, on a regular basis.

- **DISPOSAL**

All gloves that come in direct or splash contact with chemicals should be disposed of either immediately or as appropriate.

- **CORPORATE IDENTIFICATION**

It is possible to have gloves produced in corporate colours or manufactured with printed sections. Minimum quantities apply.



- STANDARDS



Implies that the gloves comply with the basic requirements laid down by the EU directive on Personal Protection Equipment.

Simple Design (Category 1)

For areas of 'minimal risk' where the effects of not wearing a glove are easily reversible or superficial. Self-certified by the manufacturer or distributor.

Intermediate Design (Category 2)

For areas of specific risk i.e. mechanical risks. These products have an EC type test according to European test methods and certified by a notified approved body.

Complex Design (Category 3)

For areas/applications that can seriously or irreversibly harm the health. Such products, in addition to the CE type test as with category 2 gloves, will also have to be either produced under an approved quality system or be type tested on an annual basis.



EN 388 - This standard applies to all kinds of protective gloves giving protection from mechanical risks, in respect of physical problems caused by abrasion, blade cut, puncture, tearing or impact cut. This standard also covers risk of electrostatic discharge.

Mechanical Hazards EN 388

	Performance Level
a) Abrasion resistance	0-4 where 0 is lowest and 4 is the highest
b) Blade-cut resistance	0-5
c) Tear resistance	0-4
d) Puncture resistance	0-4

0 means that level 1 was not reached during the test, X means that the test was not performed or not possible.

This standard also includes a pass or fail test for Impact cut resistance and Volume Resistivity (Antistatic)



EN 374 - This standard specifies the capability of gloves to protect the user against chemicals and/or micro-organisms.

Protection against chemical hazards (Permeation) is measured on the time it takes for a chemical to permeate through the glove material.

Measured breakthrough time	Protections index
> 10 Minutes	Class 1
> 30 Minutes	Class 2
> 60 Minutes	Class 3
> 120 Minutes	Class 4
> 240 Minutes	Class 5
> 480 Minutes	Class 6



EN 511 - This standard applies to gloves which protect the hands against convective and contact cold.

A 3 digit performance level -

- a) Resistance to convective cold 0 - 4
- b) Resistance to contact cold 0 - 4
- c) Permeability of water 0 - 1 (1 = no water penetration after 30 minutes)





EN 407 - This standard specifies thermal performance for protective gloves against heat and/or fire.

A 6 digit performance level	
a) Burning behaviour	0 – 4*
b) Contact heat	0 – 4
c) Convective heat	0 – 3
d) Radiant heat	0 – 4
e) Small splashes of molten metal	0 – 4
f) Large splashes of molten metal	0 – 4

**where 0 is the lowest and 4 is the highest*

CONTACT HEAT

A sample is taken from the palm area of a glove. The outside of the glove is put on a hot surface and the temperature of the inside of the glove is then monitored. The temperature on the inside of the glove must take 15 seconds or more to rise by 10°C from room temperature.

Performance Level	Contact Temperature T°C	Threshold Time Seconds
1	100	>15
2	250	>15
3	350	>15
4	500	>15



EN 659 - This standard defines performance requirements for gloves designed to protect fire fighters against heat and flames.



EN 421 - This standard lays down test methods and performance criteria for gloves offering protection against ionising radiation and radioactive contamination.



If a glove is to be used for food handling, it is required to carry either the words 'for food use' or this symbol.



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Disclaimer re. technical standards and requirements - Whilst every endeavour has been taken in the preparation of this catalogue, details of technical standards and operational hazards are provided for general information only. Customers should satisfy themselves as to the applicable technical standards and their specific workplace requirements by obtaining specialist advice prior to the placement of any order for products.

Disclaimer on description of products - Whilst every endeavour has been taken in the preparation of this catalogue, descriptions, measurements, quantities and illustrations are intended to convey a general description of the products mentioned and should not be relied upon as statements of fact and same form no part of any subsequent Contract for Sale. Any intending customer requiring the products should satisfy themselves by inspection or otherwise as to the correctness of the description given to each product. In respect of the suitability of products for customers individual requirements, customers should obtain specialist advice prior to the placement of any order.