

uvex



Designed
with you in mind

Hand protection for any situation

protecting people

uvex-safety.ie















Designed with you in mind

Contents

Key to suitable glove industry application	02
Introduction to uvex	03
Glove Safety Standards	04
Health and Wellbeing	06
Cut 1 general purpose gloves	08
Cut 1 precision gloves	09
Cut B low risk	10
Cut C+ Medium/Increased Risk	11
Cut F+ Ultra cut and puncture risk	12
Sleeves Cut C to F+ Medium/High risk	13
Cut 1 to C Thermal Cold	14
Cut 1 to D Wet/Oil Protection	15
Type A Chemical Lightly Supported	17
Chemical safety glove standards explained	18
Type A Cotton Supported and Disposable	19
Needlestick protection	20
Needlestick standards explained	21
Needlestick - Law Enforcement	22
Impact Protection – Crush & Pinch Risk	24
Thermal - heat/Arc flash risks	26
Thermal glove standards explained	27
Chemical Expert System	28
Hand Sizing Chart	29

Key to suitable glove industry applications

The following icons indicate which industries are best serviced by each glove model based on the potential hazards wearers may be exposed to.

	Aerospace		Mechanical Equipment
	Automotive		Medical and First Responders
	Chemical		Oil & Gas
	Construction & Utility		Ports & Shipping
	Engineering		Power Generation
	Food		Warehouse/Transport/Logistics
	Mechanical Electrical		Waste & Recycling/Local Authority



uvex centre of expertise for safety gloves

Based in Lüneburg, Germany, the uvex centre of expertise is a state-of-the-art automated and environmentally certified manufacturing facility with stringent quality control measures to ensure first-class quality of our safety gloves. By manufacturing in Germany, uvex pursues efficient, resource-preserving production processes and ensures that the path from manufacturer to end-user is as short as possible.

In addition to its production facility, the centre of expertise brings together all areas of the process and:

- has a fully equipped laboratory, where it can carry out both chemical (permeation/penetration/degradation) and mechanical (abrasion, cut, tear and puncture) tests of new and existing products
- carries out tests over and above the required European testing standards. uvex measures specialist areas such as climate, comfort, grip and skin compatibility ensuring the long-term health and wellbeing of the wearer
- develops and test yarns and fibres used in the gloves liners
- blends new functional compound coating technologies

- has specifically developed moulding and process technology ensuring the perfect ergonomic fit
- develops customer-specific solutions based on their workplace hazards
- has the ability to technically modify existing products e.g. adding thermal linings
- creates individual product solutions for those with a disability or have suffered an injury

The state of the art-production facility is also: free from harmful substances - no solvents are used at any point in the production process, and uses sustainable materials and resources (recycled PA, biobased HPPE)

Not only is uvex the largest European glove manufacturer, the CO₂ neutral production facility is certified to the International Environmental Management Standard ISO 14001 which focuses on the continuous improvement process with the aim of enabling concrete environmental goals to be achieved in the long-term. No other safety glove manufacturer in Europe has ever achieved this stringent certification before.



This icon next to a glove signifies CO₂ neutral manufacture.

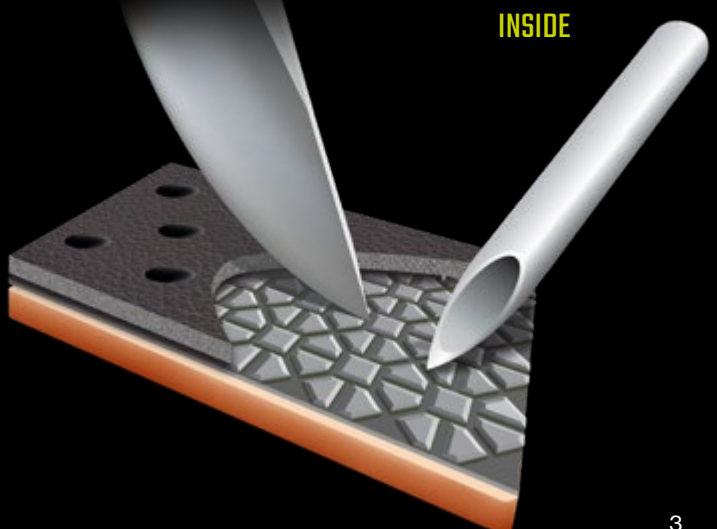
HexArmor® + uvex

In addition to the uvex core range of products, uvex has partnered with HexArmor®, a North American based leader in safety gloves and exclusive licensee of SuperFabric® brand material. The company offers a range of unique and complementary solutions that combat industrial ultra-high cut, puncture, needlestick and impact injuries.

SuperFabric® Brand material protects against the most dangerous hazards using a configuration of tiny guard plates creating a flexible, protective barrier by blocking, deflecting or trapping hazards without sacrificing dexterity. You can find more details about the exciting innovation on page 23.

SuperFabric®

INSIDE



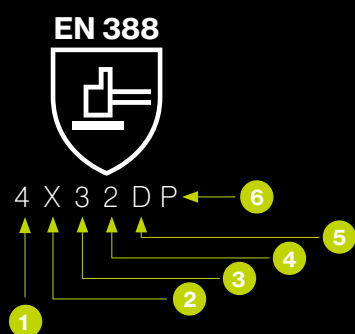
Glove Standards and Markings

Understanding the standards is an essential part of determining which glove offers the best protection against your workplace hazards. In addition to the EN standard, symbols, numbers and alphabetical keys are used to explain the degree of protection that product offers. The below offers a brief overview of the standards and protection levels, helping you to make an informed choice.

EN 388:2016/ISO 13997

The EN388:2016/ISO 13997 standard superseded the previous EN388:2003 standard in November 2016 due to the development of new high-performance fibres. Advances in technical materials meant it was necessary to adjust the test methods and classification of cut protection gloves to ensure they reflect the degree of cut resistance offered allowing people to make an informed choice.

For more information about the different test methods visit: <https://www.uvex-safety.co.uk/en/product-assistants/cut-protection-reclassified/>



1. Abrasion resistance (0 to 4)
2. Cut resistance coup test (0 to 5, X not tested)
3. Tear resistance (0 to 4)
4. Puncture resistance (0 to 4)
5. Cut resistance in accordance with ISO 13997 (A to F)
6. Impact resistance (P)

Abrasion resistance

The glove is subjected to a sandpaper test under a specific amount of pressure. The protection level is given a scale of 1 to 4 depending on when the sandpaper breaks through the material creating a hole. The higher the number, the greater the abrasion resistance.

Cut resistance

Using the old EN388:2003 coup test, the level of cut protection was given a number of 1 to 5 with 5 being the highest level of cut resistance. Although some products still carry this rating, the new EN388:2016 / ISO 13997 test method provides a much more accurate indication of the level of cut protection offered. Where a product has been tested to the new standard, an X may be displayed in place of the Coup Test result - see below.

Tear strength

The tear resistance is indicated by a number of between 1 and 4, where 4 indicates the strongest material.

Puncture resistance

Tested using a metal probe, the force required to puncture the material is indicated by a number between 1 and 4, where 4 indicates the highest level of puncture resistance.

Cut resistance EN388:2016/ISO 13997

The new 2016 cut test method is indicated under the pictogram in the 5th position using a letter A-F (F being the highest level of cut protection). The revised test, measured in Newtons uses a straight blade and measures the average load required to cut through the material.

Performance Class	A	B	C	D	E	F
Newton Value	≤ 2	≤ 5	≤ 10	≤ 15	≤ 22	≤ 30

The higher the letter, the greater the cut protection offered by the glove.

Impact resistance

This is an optional test and where a product has been tested for impact protection, this is indicated by a letter P. If no P is depicted, no impact protection is claimed.

Glove Standards and Markings

EN ISO 374-1:2016 – Protective gloves against dangerous chemicals

This standard clearly identifies the requirements for a glove to protect against dangerous chemicals giving directives regarding how to test degradation and permeation. 18 chemicals are used within the standard and the duration of protective properties is dependent on whether chemicals are pure or mixed.

There are 3 key words when identifying chemical gloves:

Penetration - it's important to note that chemicals can penetrate the glove via holes or defects. An approved EN 374-2:2014 chemical glove should not leak water or air when tested.

Degradation - is a change in the physical properties of a glove having been in contact with a chemical. This can be either a loss in the gloves strength or swelling. This is displayed as a percentage in the user instructions.

Permeation or breakthrough - it's important to measure the time it takes for a chemical to breakthrough or permeate a glove from initial contact with the outer surface of the glove to the time it takes before the hazardous liquid comes into contact with the skin.

EN ISO 374-1:2016/Type A



EN ISO 374-1:2016/Type B



EN ISO 374-1:2016/Type C



For more details about EN ISO 374-1:2016 please refer to page 17

Protection against thermal risks – heat and cold

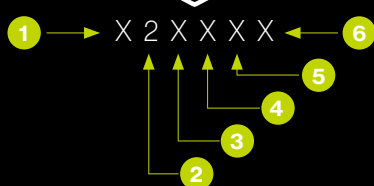
EN 407:2004

Protection against thermal risks – heat

This standard specifies the thermal (heat and/or fire) performance of a glove which is predicted by a flame symbol. Gloves within this standard must also achieve level 1 protection for abrasion and tear resistance according to EN388.

For more details refer to page 27

EN 407



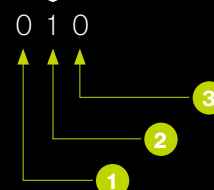
1. Flame resistance (0 to 4)
2. Resistance to contact heat (0 to 4)
3. Resistance to convective heat (0 to 4)
4. Resistance to radiant heat (0 to 4)
5. Resistance to small splashes of molten metal (0 to 4)
6. Resistance to large quantities of molten metal (0 to 4)

EN 511:2006

Protection against thermal risks – cold

The gloves certified under this standard are intended to protect the wearer from convective cold (penetrating cold) and contact cold (direct contact).

EN 511



1. Resistance to convective cold (0 to 4)
2. Resistance to contact cold (0 to 4)
3. Permeability to water (0 to 1)

protecting people

Health + Wellbeing

Our products and their components are tested by independent laboratories and institutes for skin friendliness, the absence of hazardous substances and lots more. An overview of the certificates issued to our glove products are listed below.



pure standard

uvex pure standard

Safety gloves fulfil the high uvex pure standard. Dermatologically tested. Very skin friendly. Free of hazardous ingredients.

The safety gloves are also free of solvents, accelerators and allergenic substances. They offer optimal product protection.



proDerm

Safety gloves awarded this quality seal are clinically tested by the proDERM Institute for Applied Dermatological Research GmbH (Hamburg, Germany).

proDERM examined the skin tolerability of hand protection products in a variety of independent studies. The irritating potential of the products were primarily examined in a 3 x 24 h patch test on 32 subjects and dermatologically assessed. In a following use-test, 20 subjects used the test products 8 hours daily for 2 weeks. Finally, the corresponding skin areas were assessed by a physician.

In both studies, the products tested which showed high skin tolerance, are awarded the proDERM quality seal.



Oeko-Tex® Standard 100

The Oeko-Tex® Standard 100 is a globally consistent testing and certification system. The more intense the skin contact of a product, the more stringent the requirements are that it must fulfil: This is why the second highest classification, Class II, applies for safety gloves. Testing is not only in accordance with the legal standard, but also in line with the current state of research.

Oeko-Tex® therefore not only sets more stringent values for heavy metals like chromium, nickel and mercury, it also takes into account carcinogenic and allergenic dyestuffs and the use of solvents like formaldehyde. Every year, test methods and lists of pollutants are adjusted to scientific findings.



uvex climazone

clima zone

Safety gloves which meet the uvex climazone standard have measureable increased breathability and reduced perspiration for greater wellbeing when wearing safety gloves.

Cut 1 general purpose

uvex phynomic allround

- Allround cut level 1 safety glove suitable for a wide range of applications
- Second skin fit gives a natural touch
- Flexible construction reduces fatigue
- Dermatologically tested and approved
- Free from allergenic substances - no harmful substances used in the manufacturing of this glove
- Suitable for the most allergy sensitive wearers
- Dry/slightly damp use

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	3
	Cut resistance (0-5, X not applicable)	1
	Tear resistance (0-4)	3
	Puncture resistance (0-4)	1
	Cut resistance (ISO A-F)	X



3131X

About uvex phynomic allround

The uvex phynomic is characterised for its health benefits as it is dermatologically approved and suitable for allergy sensitive wearers.

The second skin fit and high breathability give high levels of flexibility and tactility making them suitable for all kinds of activity including fine assembly.



Colour
grey
black

Sizes
5 to 12



Product number **60049**

MADE IN GERMANY

uvex athletic allround

- Breathable
- Good, secure grip on dry and (slightly) damp tools
- Good mechanical abrasion resistance
- High flexibility
- Excellent slim-fit
- High degree of dexterity right to the fingertips
- Dry/slightly damp use

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	1
	Tear resistance (0-4)	2
	Puncture resistance (0-4)	2
	Cut resistance (ISO A-F)	X



4122X

About uvex athletic allround

The uvex athletic allround is an assembly glove which is suitable for a wide range of applications. The NBR foam coating is characterised by its flexibility and good grip.



Colour
anthracite
grey

Sizes
6 to 11



Product number **60028**

uvex unilite 6605

- Lightweight knitted glove with NBR foam coating for mechanical precision work
- Good mechanical abrasion resistance with the polyamide liner and coating
- Good grip in dry and slightly damp areas
- Breathable
- Good tactile feel
- Dry/slightly damp use

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	1
	Tear resistance (0-4)	2
	Puncture resistance (0-4)	2
	Cut resistance (ISO A-F)	X



4122X

About uvex unilite 6605

The uvex unilite 6605 is a lightweight, comfortable knitted glove with breathable nitrile foam coating, which is suited to delicate assembly work and other touch sensitive activities.



Colour
black

Sizes
7 to 10



Product number **60573**

Cut 1 precision

uvex phynomic lite

- The most lightweight safety glove in its class reduces the onset of fatigue
- Mechanical abrasion resistant thanks to the very thin but highly durable aqua-polymer impregnation
- Good grip in dry and slightly damp areas
- Very high level of breathability with the porous coating, which reduces sweating
- Outstanding tactile feel when handling small parts
- Dry use
- Touch screen compatible

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	2
	Cut resistance (0-5, X not applicable)	1
	Tear resistance (0-4)	2
	Puncture resistance (0-4)	1
2121X	Cut resistance (ISO A-F)	X

About uvex phynomic lite

The uvex phynomic lite is extremely light and engineered to be touch-screen compatible. Manufactured using a 3D form allows for greater ergonomic authenticity and gives a second skin fit. Dermatologically approved and with maximum flexibility with a natural touch for fatigue free work.

Aqua-polymer impregnated coating

Polyamide/elastane liner

Knitted cuff

Colour grey

Sizes 5 to 12

Product number 60040

MADE IN GERMANY



uvex athletic lite

- Good mechanical abrasion resistance
- High level of breathability help keep hands cool
- High degree of flexibility
- Excellent slim-fit
- Dry slightly damp use

uvex athletic lite ESD with touchscreen compatibility also available. (60035)



uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	1
	Tear resistance (0-4)	3
	Puncture resistance (0-4)	2
4132X	Cut resistance (ISO A-F)	X

About uvex athletic lite

The uvex athletic lite is a lightweight safety glove for precision mechanical work. The micro-NBR foam coating is characterised by its high flexibility and good grip.

Micro NBR foam coating

Polyamide/elastane liner

Knitted cuff

Colour anthracite blue

Sizes 6 to 11

Product number 60027



uvex unipur 6639

- Lightweight, high dexterity and dirt-resistant PU safety glove for mechanical precision work
- Good mechanical abrasion resistance
- Good grip in dry and slightly damp areas
- Outstanding tactile feel
- Highly flexible
- Dry use

uvex glove cut resistance

EN388:2003	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	1
	Tear resistance (0-4)	3
	Puncture resistance (0-4)	1
4131		

About uvex unipur 6639

The uvex unipur 6639 is suitable for precision mechanical work in dry to slightly damp work environments. Its robust PU coating is highly abrasion-resistant, but still allows an outstanding tactile feel.

Polyurethane coating

Polyamide liner

Knitted cuff

Colour black

Sizes 7 to 11

Product number 60248



Cut B low risk

uvex phynomic C3

- Lightweight and sensitive cut protection safety glove for mechanical activities
- Very good mechanical abrasion resistance thanks to the damp-resistant aqua-polymer foam coating
- Good grip in dry and slightly damp areas
- Good cut protection and high tear resistance
- Highly breathable coating
- Outstanding tactile feel when assembling parts
- Dry/slightly damp use

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	X
	Tear resistance (0-4)	4
	Puncture resistance (0-4)	3
4X43B	Cut resistance (ISO A-F)	B

About uvex phynomic C3

The phynomic family is characterised by it's dermatological properties. The glove has been engineered to fit like a second skin for a natural touch and maximum flexibility. The uvex phynomic C3 provides level 3/B cut resistance.



uvex athletic B XP

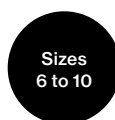
- Micro-NBR foam coating: high breathability, high flexibility, high touch sensitivity
- The micro-NBR foam coating is particularly durable for a long service life
- Reinforced thumb crotch gives added strength and durability
- Free from hazardous substances in accordance with OEKO-TEX® Standard 100
- Very good tactile feel
- Dry use

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	X
	Tear resistance (0-4)	4
	Puncture resistance (0-4)	4
4X44B	Cut resistance (ISO A-F)	B

About uvex athletic B XP

Made using Bio-based Dyneema to deliver a more environmentally friendly solution. The new and sustainable tree-based cut protection yarn is derived from CTO (Crude Tall Oil) which is a naturally occurring biomaterial removed from the pulping process during paper manufacturing.



uvex unidur 6641

- PU cut level 3 protection safety glove with high-quality Special Cut Performance PE fibre
- Outstanding mechanical abrasion resistance thanks to a good combination of fibres and coating
- Good grip in dry and slightly damp areas
- Good cut protection due to high-quality Special Cut Performance PE fibre
- Very good tactile feel
- Dry use

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	3
	Tear resistance (0-4)	4
	Puncture resistance (0-4)	3
4343B	Cut resistance (ISO A-F)	B

About uvex unidur 6641

The uvex unidur 6641 is a lightweight PU-coated HPPE assembly glove with level 3/B cut protection. The glove offers a high level of sensitivity. It is perfectly suited to precision touch work requiring tactility and cut protection.



Cut C Medium Risk

uvex phynomic C5

- Lightweight and sensitive all-round cut protection safety glove for mechanical activities
- Very good mechanical abrasion resistance thanks to the moisture-resistant aqua-polymer foam coating
- Very good grip in dry and slightly damp areas
- Highly breathable coating
- Outstanding tactile feel when assembling parts
- Outstanding protection for the wearer and the product
- Dry/slightly damp use

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	X
	Tear resistance (0-4)	4
	Puncture resistance (0-4)	2
4X42C	Cut resistance (ISO A-F)	C

About uvex phynomic C5

The uvex phynomic C5 glove has cut level C protection (iso:2016 13997) and is engineered to fit like a second skin allowing for high levels of tactility and flexibility. The uvex phynomic C5 also boasts good skin tolerability with it's dermatological approval - making it suitable for allergy sensitive wearers.



uvex athletic C XP

- Micro-NBR foam coating: high breathability, high flexibility, high touch sensitivity
- The micro-NBR foam coating is particularly durable for a long service life
- Reinforced thumb crotch gives added strength and durability
- Free from hazardous substances in accordance with OEKO-TEX® Standard 100
- Very good tactile feel
- Dry use

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	X
	Tear resistance (0-4)	4
	Puncture resistance (0-4)	3
4X43C	Cut resistance (ISO A-F)	C

About uvex athletic C XP

Perfect fit thanks to the ergonomic "slim fit" design and elastane in the liner, allows wearer to feel and grip precision workpieces effectively with high levels of comfort.



uvex unidur 6659 foam

- Cut protection glove with NBR foam coating and HPPE/glass fibre
- Outstanding abrasion resistance with NBR coating
- Good grip in dry and slightly damp areas
- High level of cut protection with HPPE and glass fibre combination
- Very good tactile feel
- Dry/slightly damp use

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	X
	Tear resistance (0-4)	4
	Puncture resistance (0-4)	3
4X43C	Cut resistance (ISO A-F)	C

About uvex unidur 6659 foam

The uvex unidur 6659 foam are lightweight cut protection gloves (level 5/C) with NBR foam coating. With high levels of touch sensitivity. It is perfectly suited to precision assembly work requiring tactility and cut protection.



Cut D Increased Risk



protecting planet

by using no harmful substances //
by using biobased material //
by using recycled material

uvex Bamboo TwinFlex® D xg

- 18-gauge liner made from finest steel fibres, Bamboo, HPE, polyamide and Elastane
- Adaptive fit: moulds precisely to the wearer's hand contours within minutes
- Touchscreen compatible
- Protection against contact heat up to 100°C (EN407:2020 X1XXXX)
- Dermatologically approved skin tolerability
- Free from harmful substances and allergenic accelerators
- Dry and slightly damp environments / Food Standard Approved

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	X
	Tear resistance (0-4)	4
	Puncture resistance (0-4)	1
4X41D	Cut resistance (ISO A-F)	D



About uvex Bamboo TwinFlex® D xg

Patented Bamboo TwinFlex® yarn technology ensures fast and high levels of moisture absorption (sweat) as well as delivering a smooth silky-soft feel against the skin. A mix of 45% recycled and sustainable fibres: recycled polyamide and sustainable bamboo

Aqua-polymer Xtra Grip foam coating



45% sustainable materials

Knitted cuff

Product number 60090

MADE IN GERMANY



Colour
green
black

Sizes
6 to 12

uvex athletic D XP

- Micro-NBR foam coating: high breathability, high flexibility, high touch sensitivity
- The micro-NBR foam coating is particularly durable for a long service life
- Reinforced thumb crotch gives added strength and durability
- Free from hazardous substances in accordance with OEKO-TEX® Standard 100
- Very good tactile feel
- Dry use

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	X
	Tear resistance (0-4)	4
	Puncture resistance (0-4)	3
4X43D	Cut resistance (ISO A-F)	D



About uvex athletic D XP

Perfect fit thanks to the ergonomic "slim fit" design and elastane in the liner, allows wearer to feel and grip precision workpieces effectively with high levels of comfort.

Micro-NBR foam coating

Reinforced thumb crotch

Knitted cuff

Product number 60030



Colour
grey
anthracite

Sizes
6 to 11

HexArmor Helix® 2065

3 week delivery

- Full flat nitrile coating offers 360° of water resistance and ANSI/ISEA level A3 cut protection
- 13-gauge HPPE, fibreglass, and nylon blend shell for enhanced comfort and breathability
- Flexible sandy nitrile palm coating provides superior grip and abrasion resistance
- Knit wrist helps prevent dirt and debris from entering the glove
- Launderable for extended life

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	X
	Tear resistance (0-4)	4
	Puncture resistance (0-4)	2
4X42D	Cut resistance (ISO A-F)	D



About HexArmor Helix®

Innovation intertwined with safety. Helix® Series gloves are tightly knit with strong yet extremely dexterous fibers that offer industry leading cut protection and abrasion resistance. A seamless series that answers the call of duty for most jobs, these high-comfort knit gloves feature consistent sizing and fit.

Flexible sandy nitrile palm coating

Seamless construction for enhanced comfort and breathability



Product number 2065



Colour
blue
black

Sizes
5 to 12

Cut F+ Ultra cut and puncture risk

HexArmor 9013 9000 series®

- SuperFabric® brand material palm provides industry-leading cut resistance (interior layer)
- High-performance polyethylene fibre and glass fibre blend shell provides exceptional flexibility and comfort
- Black sandy nitrile palm coating increases snag and abrasion resistance
- Exceptional grip for heavy oil and oily situations
- Excellent resistance to abrasion cuts and tears
- Good resistance to punctures

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	X
	Tear resistance (0-4)	4
	Puncture resistance (0-4)	3
4X43F	Cut resistance (ISO A-F)	F

ANSI/ISEA CUT

GRAM SCORE

A8

5022

About HexArmor 9013

Offering a combination of superb cut resistance with fantastic grip in oily conditions. Made with SuperFabric® material, which is produced with tiny guard plates that deflect ultra high cut hazards without compromising dexterity.

SuperFabric® protection zone across whole palm area

Polyethylene and glassfibre shell



Product number **9013**



Colour
light blue
grey

Sizes
7 to 11

HexArmor Helix® 2076

3 week delivery

- Innovative 13-gauge HPPE and steel fibre blend shell offering 360° degree cut protection
- Knit wrist helps prevent dirt and debris from entering the glove
- Flexible polyurethane palm coating provides superior grip and abrasion resistance
- Reinforced thumb crotch area for increased durability
- Dry, oil or wet duty

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	X
	Tear resistance (0-4)	4
	Puncture resistance (0-4)	4
4X44F	Cut resistance (ISO A-F)	F

ANSI/ISEA CUT

GRAM SCORE

A6

3276

About HexArmor Helix® 2076

Innovation intertwined with safety. Helix® Series gloves are tightly knit with strong yet extremely dexterous fibers that offer industry leading cut protection and abrasion resistance. A seamless series that answers the call of duty for most jobs, these high-comfort knit gloves feature consistent sizing and fit.

Touchscreen capabilities

Seamless construction for enhanced comfort and breathability



Product number **2076**



Colour
grey
blue

Sizes
6 to 11

HexArmor Hercules® 400R6E

- SuperFabric® brand material provides 360° industry-leading cut resistance (interior layer)
- Gauntlet design and pre-curved shape for maximum comfort and ultimate protection
- Silicone palm grip
- Extended gauntlet style cuff
- Dry or wet use

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	X
	Tear resistance (0-4)	4
	Puncture resistance (0-4)	4
4X44F	Cut resistance (ISO A-F)	F

ANSI/ISEA CUT

GRAM SCORE

A9

6380

About Hercules® 400R6E

Part of HexArmor®'s heavy duty glove line, the Hercules 400R6E, with 360° SuperFabric® brand material, provides maximum cut and puncture protection without being too bulky. And was designed with a specialised silicone grip for better hold on tools and hazardous materials.

Silicone palm grip



Product number **60634**



Colour
grey

Sizes
8 to 11

Body Protection Cut C to F+ Medium/High risk

HexArmor AG10009S 9" sleeve

- SuperFabric® brand material provides industry-leading cut resistance
- Elastane fabric at the wrist for a snug fit with a thumbhole to keep sleeve in place
- Superb abrasion resistance
- Cooler and more lightweight than knitted or leather alternatives
- Launderable
- Sold individually

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	X
	Tear resistance (0-4)	4
	Puncture resistance (0-4)	2
	Cut resistance (ISO A-F)	F

4X42F

ANSI/ISEA CUT

A7

GRAM SCORE

4425

About HexArmor AG10009S

Fantastic resistance to cut and abrasions, the HexArmor arm guard is designed to be worn for applications requiring forearm protection. The snug elastane cuff with a thumbhole, this cut resistant sleeve will effectively stay in place without slipping.

SuperFabric®
protection zone



Product number **AG10009S**



Colour
grey/lime

Sizes
6 to 12

uvex C500 sleeve

- Cut protection safety underarm protection with outstanding wearer comfort
- Outstanding mechanical abrasion resistance thanks to the innovative Soft Grip coating
- Very high level of cut protection with patented uvex Bamboo TwinFlex® technology
- High flexibility
- Dry use

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	2
	Cut resistance (0-5, X not applicable)	X
	Tear resistance (0-4)	4
	Puncture resistance (0-4)	X
	Cut resistance (ISO A-F)	C

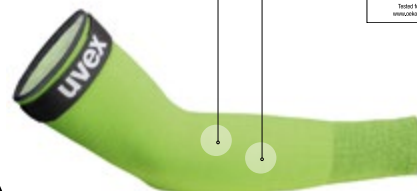
2X4XC

About uvex C500 sleeve

The uvex C500 series sets standards regarding protection, comfort, flexibility, tactility and economy. This high-tech lower arm protection combines all of these qualities with the highest level of cut protection, level 5/C.

Underarm protection with
velcro fastening.
34 cm (M), 40 cm (L)

Bamboo rayon, HPPE,
glass, polyamide



Product number **60491**

MADE IN GERMANY



Colour
anthracite/
lime

Sizes
medium/
large

HexArmor AP322 Apron

- 24" x 30" Protective Apron
- SuperFabric® brand material provides industry-leading cut resistance
- Industrial puncture protection on enhanced areas protects against wires, metal, wood, and glass
- Heavy weight, double layer

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	X
	Tear resistance (0-4)	4
	Puncture resistance (0-4)	4
	Cut resistance (ISO A-F)	F

4X44F

ANSI/ISEA CUT

A9

GRAM SCORE

7377

About HexArmor AP322

HexArmor® offers cut and puncture level 5 protection for your body. The apron has a double layer of SuperFabric® brand material for superior body protection for an array of industry applications.

SuperFabric®
protection zone



Product number **6062401**



Colour
dark grey

One
Size

Cut 1 to C Thermal Cold

uvex unilite thermo plus cut C

- Winter glove with dual-layer design
- Polymer coating on the back of the hand that is flexible at low temperatures
- Excellent blade cut resistance (level C)
- Good mechanical abrasion resistance with a polymer coating that is flexible even at low temperatures
- Very good thermal insulation in direct contact with cold objects
- Dry/slightly damp use in cold environments

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	3
	Cut resistance (0-5, X not applicable)	X
	Tear resistance (0-4)	4
	Puncture resistance (0-4)	2
3X42C	Cut resistance (ISO A-F)	C

uvex glove thermal resistance

EN511	Convective cold	0
	Contact cold	2
	Capability of resisting water (5 min.)	X

02X

Low-temperature flexible polymer coating

acrylic, glass, polyamide

Knitted cuff

Product number 60591


Colour
black
lime

Sizes
7 to 11

uvex unilite thermo+

- Lightweight and sensitive cut protection safety glove for mechanical activities
- Very good mechanical abrasion resistance thanks to the damp-resistant aqua-polymer foam coating
- Good grip in dry and slightly damp areas
- Good cut protection and high tear resistance
- Highly breathable coating
- Outstanding tactile feel when assembling parts
- Dry slightly damp use

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	3
	Cut resistance (0-5, X not applicable)	1
	Tear resistance (0-4)	3
	Puncture resistance (0-4)	1
3131X	Cut resistance (ISO A-F)	X

uvex glove thermal resistance

EN511	Convective cold	0
	Contact cold	1
	Capability of resisting water (5 min.)	0

010

Palm and 3/4 of the back of the hand with cold flexible polymer coating

Acrylic and new wool mix (lining), polyamide and elastane (outer)

Knitted cuff

Product number 60592


Colour
black

Sizes
7 to 11

uvex unilite thermo

- Lightweight and sensitive cut protection safety glove for mechanical activities
- Very good mechanical abrasion resistance thanks to the damp-resistant aqua-polymer foam coating
- Good grip in dry and slightly damp areas
- Good cut protection and high tear resistance
- Dry slightly damp use

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	3
	Cut resistance (0-5, X not applicable)	1
	Tear resistance (0-4)	3
	Puncture resistance (0-4)	1
3131X	Cut resistance (ISO A-F)	X

uvex glove thermal resistance

EN511	Convective cold	0
	Contact cold	1
	Capability of resisting water (5 min.)	0

010

Palm and fingertips with cold-flexible polymer coating

Acrylic and new wool mix (lining), polyamide and elastane (outer)

Knitted cuff

Product number 60593


Colour
black

Sizes
7 to 11


Cut 1 to D – Wet/Oil Protection

HexArmor Helix® 2065

3 week delivery

- Full flat nitrile coating offers 360° of water resistance and ANSI/ISEA level A3 cut protection
- 13-gauge HPPE, fibreglass, and nylon blend shell for enhanced comfort and breathability
- Flexible sandy nitrile palm coating provides superior grip and abrasion resistance
- Knit wrist helps prevent dirt and debris from entering the glove
- Launderable for extended life

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	X
	Tear resistance (0-4)	4
	Puncture resistance (0-4)	2
4X42D	Cut resistance (ISO A-F)	D



4X42D

ANSI/ISEA CUT

GRAM SCORE

A3

1274

About HexArmor Helix®

Innovation intertwined with safety. Helix® Series gloves are tightly knit with strong yet extremely dexterous fibers that offer industry leading cut protection and abrasion resistance. A seamless series that answers the call of duty for most jobs, these high-comfort knit gloves feature consistent sizing and fit.

Flexible sandy nitrile palm coating

Seamless construction for enhanced comfort and breathability



Product number 2065


Colour
blue
black

Sizes
5 to 12

uvex unilite 7710F

- Fully coated safety glove with grip finish suitable for wet and oily applications
- The model ensures that no moisture reaches the skin from the outside
- EN407 Level 1 – 100° heat protection – ideal for low risk contact hot handling
- Extended knitted cuff, assists with keeping dirt out of the glove
- Level 4 Abrasion resistance, extremely durable for longevity of use

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	1
	Tear resistance (0-4)	2
	Puncture resistance (0-4)	1
4121X	Cut resistance (ISO A-F)	X



4121X

uvex glove thermal resistance

EN407	Resistance to contact heat	1
X1XXXX		



X1XXXX

NBR with grip finish coating

Knitted nylon liner

Knitted cuff



Product number 60278


Colour
blue
black

Sizes
7 to 11

uvex phynomic wet

- Water-repellent aqua-polymer foam coating for use outdoors
- Outstanding tactile feel when assembling parts
- Outstanding protection for the wearer and the product
- Excellent skin tolerance, confirmed by proDERM Institute for Applied Dermatological Research
- Free of harmful substances in accordance with OEKO-TEX® Standard 100

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	3
	Cut resistance (0-5, X not applicable)	1
	Tear resistance (0-4)	3
	Puncture resistance (0-4)	1
3131X	Cut resistance (ISO A-F)	X



3131X

About uvex phynomic wet

The uvex phynomic series is ideal for all types of work where a high level of feeling is required. These safety gloves are like a "second skin" and are especially light and flexible – without making your hands immediately sweaty. The anthracite-coloured aqua polymer foam coating of the uvex phynomic wet offers outstanding protection against humidity.

Water-repellent aqua-polymer foam coating

HPPE, glass, polyamide liner

Knitted cuff



Product number 60060

MADE IN GERMANY


Colour
blue
black

Sizes
6 to 11

OEKO-TEX®
STANDARD 100
certified for harmful substances
www.oeko-tex.com/standard100

pure standard

EN ISO 374-1:2016

Modification to the standard for chemical safety gloves

This standard has undergone fundamental changes in terms of certification.



Terminology and performance requirements for chemical risks, contains important modifications:

- Expansion of test chemicals from 12 to 18
- Omission of beaker glass for "water-resistant safety glove with low protection against chemical risks"
- Standardisation of types of gloves into type A, B or C
- Modification to labelling on the product:
Pictogram of Erlenmeyer flask with differing number of letters for test chemicals depending on type

New labelling of safety glove

EN ISO 374-1:2016/Type A



JKLMNO

Permeation resistance of type A:
at least 30 minutes each with at least 6 test chemicals.

EN ISO 374-1:2016/Type B



JKL

Permeation resistance of type B:
at least 30 minutes each with at least 3 test chemicals.

EN ISO 374-1:2016/Type C



JKLMNO

Permeation resistance of type C:
at least 10 minutes each with at least 1 test chemical.

As before, the application guidance of the manufacturer is of great importance. The specific protection requirement must be determined as part of a risk assessment of the actual works process taking account of the specific application conditions. A designated safety professional must define the individual requirements and secure conformation of the specific protection levels of the safety gloves from the manufacturer's data sheets.

Expansion of test chemicals:

The test catalogue has been expanded in accordance with the new standard.

Letter symbol	Test chemical	CAS no.	Class
EXISTING	A Methanol	67-56-1	Primary alcohol
	B Acetone	67-64-1	Ketone
	C Acetonitrile	75-05-8	Nitrile
	D Dichloromethane	75-09-2	Chlorinated hydrocarbon
	E Carbon disulphide	75-15-0	Sulphur-containing organic compound
	F Toluene	108-88-3	Aromatic hydrocarbon
	G Diethylamine	109-89-7	Amine
	H Tetrahydrofuran	109-99-9	Heterocyclic and ether compounds
	I Ethyl acetate	141-78-6	Ester
	J n-heptane	142-82-5	Aliphatic hydrocarbon
	K Sodium hydroxide, 40%	1310-73-2	Inorganic base
	L Sulphuric acid, 96%	7664-93-9	Inorganic acid, oxidising
NEW	M Nitric acid, 65%	7697-37-2	Inorganic acid, oxidising
	N Acetic acid, 99%	64-19-7	Organic acid
	O Ammonia water, 25%	1336-21-6	Organic base
	P Hydrogen peroxide, 30%	7722-84-1	Peroxide
	S Hydrofluoric acid, 40%	7664-39-3	Inorganic acid
	T Formaldehyde, 37%	50-00-0	Aldehyde

With the uvex Chemical Expert System, uvex provides a multilingual, online platform to search for individual permeation times. In addition, experienced staff are available on-site and in the centre of expertise for safety gloves in Lüneburg to provide advice on all questions relating to safety gloves for protection against chemical risks.

Labelling on the glove



- 1 Name of the manufacturer
- 2 Glove Product Name
- 3 Performance classes, mechanical
- 4 CE conformity mark
- 5 No. of Test Institute
- 6 Letters symbolise test chemicals against which the glove has a protection index of at least class 2.
- 7 Pictogram with designation of standard
- 8 Note enclosed instructions for use
- 9 Glove size

Permeation

Time measured to penetration	Protection index
> 10 min	Class 1
> 30 min	Class 2
> 60 min	Class 3
> 120 min	Class 4
> 240 min	Class 5
> 480 min	Class 6

Permeation refers to molecular penetration through the safety glove material. The time required by the chemicals to permeate, determines the performance class in accordance with EN ISO 374-1.

The actual period of protection at the workplace may vary depending on real-time process factors.

Your uvex account manager will be happy to provide advice.

Type A Chemical Lightly Supported

uvex u-chem 3300

- Chemical safety glove for wet/oily areas
- The bamboo fibre is particularly kind to skin and is comfortable to wear for long periods
- Extremely high levels of sensitivity and dexterity
- Good resistance to grease, mineral oils and many chemicals

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	2
	Cut resistance (0-5, X not applicable)	1
	Tear resistance (0-4)	2
	Puncture resistance (0-4)	1
	Cut resistance (ISO A-F)	X


2121X

uvex glove chemical resistance

EN ISO 3741 / TYPE A	n-Heptane	J
	Sodium hydroxide 40%	K
	Sulphuric acid 96%	L
	Ammonia water, 25%	O
	Hydrogen peroxide, 30%	P
	Formaldehyde 37%	T


JKLOPT

NBR coating

Bamboo-rayon liner


 Product number **60971**

 Colour
blue

 Sizes
7 to 11

uvex profastrong NF33

- Sensitive NBR chemical protection glove with flocked cotton
- Outstanding mechanical abrasion resistance
- Good grip in damp and wet areas thanks to the Grip structure in the palm
- Good resistance to many oils, grease, acids and alkalis
- Good tactile feel
- Good fit. Slightly flexible
- Resistant to oils, grease, acids and solvents

uvex glove cut resistance

EN388:2003	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	1
	Tear resistance (0-4)	0
	Puncture resistance (0-4)	1


4101

uvex glove chemical resistance

EN ISO 3741 / TYPE A	Methanol	A
	n-Heptane	J
	Sodium hydroxide 40%	K
	Sulphuric acid 96%	L
	Ammonia water, 25%	O
	Formaldehyde 37%	T


AJKLOT

Fully coated with NBR (nitrile rubber). approx. 0.38 mm

Gauntlet, palm with grip structure. approx 33cm

Flocked cotton


 Product number **60122**

 Colour
green

 Sizes
7 to 10

uvex profapren CF33

- Flexible chloroprene chemical protection glove with flocked cotton
- Fully coated with polychloroprene (latex inner), approx. 0.71 mm
- Good resistance to many chemicals and solvents
- Extremely high flexibility

uvex glove cut resistance

EN388:2003	Abrasion resistance (0-4)	3
	Cut resistance (0-5, X not applicable)	1
	Tear resistance (0-4)	3
	Puncture resistance (0-4)	1


3131X

uvex glove chemical resistance

EN ISO 3741 / TYPE A	Methanol	A
	Sodium hydroxide 40%	K
	Sulphuric acid 96%	L
	Nitric Acid, 65%	M
	Acetic Acid 99%	N
	Ammonia water, 25%	O


AKLMNO

Polychloroprene

Flocked cotton inner


 Product number **60119**

 Colour
dark blue

 Sizes
7 to 10

Type A Cotton Supported + Disposable

uvex rubiflex s XG27B

- Lightweight, stockinette NBR chemical protection glove with optimal grip properties
- Very good mechanical abrasion resistance and good life cycle thanks to multi-layered structure
- Outstanding grip in wet and oily areas thanks to uvex Xtra Grip technology
- Good resistance to grease, mineral oils and many chemicals
- Very good tactile feel
- Ergonomic fit
- Resistant to grease, mineral oils and many chemicals

uvex glove cut resistance

EN388:2003	Abrasion resistance (0-4)	3
	Cut resistance (0-5, X not applicable)	1
	Tear resistance (0-4)	2
	Puncture resistance (0-4)	1



3121

uvex glove chemical resistance

EN ISO 3741 / TYPE A	n-Heptane	J
	Sodium hydroxide 40%	K
	Acetic acid 99%	N
	Ammonia water, 25%	O
	Hydrogen peroxide 30%	P
	Formaldehyde 37%	T



JKNOPT

Fully coated with special NBR coating (nitrile rubber) and XG Grip coating, approx 0.40mm.

Cotton interlock

Gauntlet, approx 27cm



Xtra Grip



Product number 60560

MADE IN GERMANY


Colour
blue
black

Sizes
7 to 11

uvex u-chem 3500

- Sensitive NBR broadband chemical protection glove
- Material combination of nitrile and chloroprene protects against alcohols, aliphatic hydrocarbons, and concentrates acids and bases with a permeation time of ≥ 120 minutes.
- Protection against contact heat 100 °C (Level 1)
- Very good fit, very high wearing comfort thanks to seamless cotton liner

uvex glove chemical resistance

EN ISO 3741 / TYPE A	Methanol	A
	Acetonitrile	C
	n-Heptane	J
	Sodium hydroxide 40%	K
	Sulphuric acid 96%	L
	Nitric acid 65%	M
	Acetic acid 99%	N
	Ammonia water, 25%	O
	Hydrogen peroxide 30%	P
	Hydrofluoric acid, 40%	S
	Formaldehyde 37%	T

ACJKLMNPST



VIRUS



3121X



X1XXXXX

Seamless cotton liner

Gauntlet, approx 32cm


Colour
blue

Sizes
S to XXL

Product number 60188

uvex u-fit strong N2000

- Reinforced disposable glove made from nitrile rubber (0.20 mm)
- Protection against many chemicals
- Good grip
- Very high mechanical strength
- Silicone-free according to imprint test

uvex glove chemical resistance

EN ISO 3741 / TYPE A	n-Heptane	J
	Sodium hydroxide 40%	K
	Sulphuric acid 96%	L
	Ammonia water, 25%	O
	Hydrogen peroxide 30%	P
	Hydrofluoric acid, 40%	S
	Formaldehyde 37%	T

JKLOPST



uvex u-fit
0.10mm also
available


Colour
blue

Sizes
S to XXL

Product number 60962



Needlestick

HexArmor 3041 Hercules® NSR

- Highest needlestick resistance available due to multi-layered technology of the SuperFabric® brand material
- Tested with 25 gauge needles
- 360° cut protection
- Full coverage design with pre-curved form for maximum comfort and ultimate protection
- Specialised silicone grip surface on palm
- Dry or light oil use

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	X
	Tear resistance (0-4)	1
	Puncture resistance (0-4)	2
	Cut resistance (ISO A-F)	F

4X12F

ANSI/ISEA CUT

NEEDLESTICK

A9

LEVEL 5

About HexArmor 3041

HexArmor sets industry standards for protection against needlestick incidents. Tested in real-world scenarios and with undeniable success.

The multi-layered technology behind HexArmor's famed SuperFabric® arrests and deflects needlestick hazards using a unique configuration of tiny guardplates.

3 layers SuperFabric® protection

2 layers SuperFabric® protection



Product number 60983

Colour
black

Sizes
7 to 11



HexArmor 9032 PointGuard® Ultra

- SuperFabric® brand material provides industry-leading needlestick resistance (in noted enhanced areas)
- Single-glove needle solution with incredible dexterity and comfort
- Tested using 25 gauge needles
- Sandy nitrile three-quarter knuckle dip
- Launderable
- Dry or light oil use

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	X
	Tear resistance (0-4)	4
	Puncture resistance (0-4)	3
	Cut resistance (ISO A-F)	F

4X43F

ANSI/ISEA CUT

NEEDLESTICK

A9

LEVEL 5

About HexArmor 9032

High visibility needlestick resistance glove with three-quarter sandy nitrile coating.

The multi-layered technology behind HexArmor's famed SuperFabric® arrests and deflects needlestick hazards using a unique configuration of tiny guardplates.

3 layers SuperFabric® protection

Sandy nitrile three-quarter knuckle coating



Product number 60638

Colour
lime/blue

Sizes
7 to 10



HexArmor 9014 SharpsMaster II®

- SuperFabric® brand material provides industry-leading needlestick resistance (in noted enhanced areas)
- Wrinkle rubber latex palm coating with Actifresh™ antimicrobial treatment
- Supreme protection against abrasions, cuts, tears and punctures
- Dry or light oil use

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	X
	Tear resistance (0-4)	4
	Puncture resistance (0-4)	4
	Cut resistance (ISO A-F)	F

4X44F

ANSI/ISEA CUT

NEEDLESTICK

A9

LEVEL 5

About HexArmor 9014

Provide exceptional protection against needlestick injuries these HexArmor SharpsMaster II 9014 needlestick gloves are manufactured using layered SuperFabric® to form a robust barrier from hazards such as blades, wire, metal, glass and needles without compromising dexterity.

The microbiological treatment helps improve wearer hygiene

3 layers SuperFabric® protection

Cotton blend shell provides exceptional dexterity and feel



Product number 60981

Colour
light grey
orange

Sizes
6 to 10

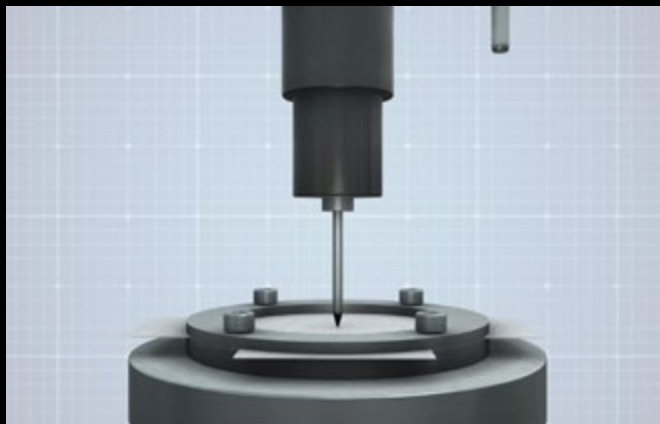


Puncture & Needle Testing Explained

ANSI/ISEA 105 Test - Modification to the standard for needlestick safety gloves

In February of 2016, the ANSI/ISEA (American National Standards Institute/International Safety Equipment Association) 105 standard was updated and published to include two puncture standards: Puncture Resistance (other than hypodermic needle) and Hypodermic Needlestick Puncture. Prior to 2015, there was only one puncture test, which did not specify the type of puncture hazard the standard was created for, leaving it open for interpretation. Having both an industrial puncture standard and a hypodermic needle puncture standard allows safety managers to differentiate between what protection they need most, based on more relevant testing and classification.

Test procedure in accordance with EN 388 industrial puncture resistance



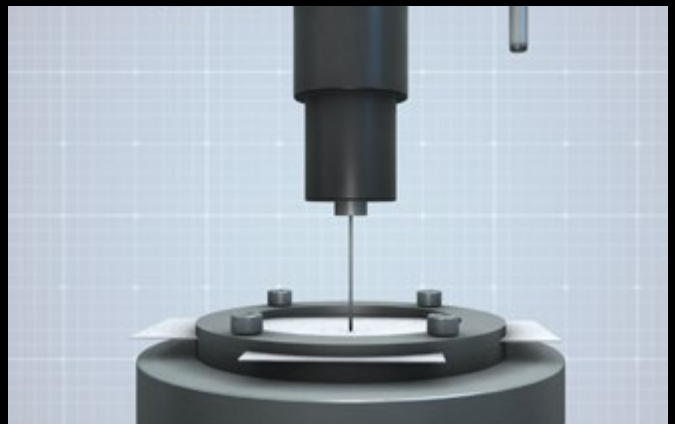
The EN388 is the approved puncture test for ANSI/ISEA 105 and measures the amount of force needed for a blunt probe to pierce through the sample material (taken from palm).

- The blunt probe moves at a 90° angle at a speed of 100mm/minute
- Results are reported in Newtons and are given a 1-5 classification rating, with 1 being low resistance and 5 being high resistance
- The test is done 12 times for every palm sample
- The average of 12 test results is reported

Blunt object puncture threat:
EN388:1994



Test procedure in accordance with ASTM F2878 hypodermic needlestick puncture resistance



The ASTM F2878 is the approved puncture test for ANSI/ISEA 105 and measures the amount of force needed for a 25-gauge hypodermic needle to pierce through the sample material.

- The puncture probe (25-gauge needle) travels at a 90° angle into specimen at a vector of 500 millimeters per minute.
- Results are reported in Newtons and are giving a 1-5 classification rating, with 1 being low resistance and 5 being high resistance
- The test is done 12 times for every palm sample
- The average of the 12 results is reported

Needlestick threat:
ASTM F2878



Needlestick - Specialist application Law enforcement

HexArmor 6044 PointGuard® Ultra

- Highest needlestick resistance available due to multi-layered technology of the SuperFabric® brand material
- Tested with 25 gauge needles
- Cut and needlestick protection to palm
- Recommended use as an underglove solution with appropriate top-glove combination
- Dry use

3 layers SuperFabric® protection

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	X
	Tear resistance (0-4)	3
	Puncture resistance (0-4)	3
	Cut resistance (ISO A-F)	F

4X33F

ANSI/ISEA CUT

NEEDLESTICK

A9

LEVEL 4



Colour
black

Sizes
5 to 11



Product number **60006**

HexArmor 4045 PointGuard® Ultra

- SuperFabric® brand material provides industry-leading needlestick resistance to palm and fingertips
- Back-of-hand knuckle padding for incidental bumps/impact
- Silicone palm pattern for enhanced durability and grip
- AirMesh™ breathable back of hand with Airprene wrist band and Velcro closure
- Launderable
- Dry or light oil use

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	X
	Tear resistance (0-4)	2
	Puncture resistance (0-4)	2
	Cut resistance (ISO A-F)	F

4X22F

ANSI/ISEA CUT

NEEDLESTICK

A7

**LEVEL 2 - LEVEL 3
AT FINGERTIPS**



Colour
black

Sizes
6 to 10

2 layers SuperFabric® protection to fingertips (Level 3 Needlestick protection)

1 layers SuperFabric® protection to palm



Product number **600005**

HexArmor 4041 PointGuard® Ultra

- SuperFabric® brand material provides industry-leading needlestick resistance (in noted enhanced areas)
- Silicone pattern palm grip for enhanced durability and grip
- Back-of-hand knuckle padding for incidental bumps and impacts
- Neoprene cuff with hook and loop closure for a secure fit
- Dry or light oil use

Highest needlestick and cut resistance available provided by the layering of SuperFabric®

Back-of-hand knuckle padding for incidental bumps & impacts

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	X
	Tear resistance (0-4)	4
	Puncture resistance (0-4)	2
	Cut resistance (ISO A-F)	F

4X42F

ANSI/ISEA CUT

NEEDLESTICK

A9

LEVEL 3



Colour
black

Sizes
7 to 11



Product number **600004**

Needlestick Sleeve

HexArmor AG8TW

- SuperFabric® brand material provides industry-leading needlestick resistance
- Elastane fabric at the wrist for a snug fit with a thumbhole to keep sleeve in place
- Superb abrasion resistance
- Cooler and more lightweight than knitted or leather alternatives
- Launderable
- Sold individually

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	X
	Tear resistance (0-4)	1
	Puncture resistance (0-4)	1
4X11F	Cut resistance (ISO A-F)	F

ANSI/ISEA CUT

NEEDLESTICK

A8

LEVEL 2

About HexArmor AG8TW

Fantastic resistance to cut and needlestick, the HexArmor arm guard is designed to be worn for applications requiring forearm protection.

The snug elastane cuff with a thumbhole, this cut resistant sleeve will effectively stay in place without slipping.

SuperFabric®
protection zone


Product number 60982


Colour
grey/lime

Sizes
7 to 12

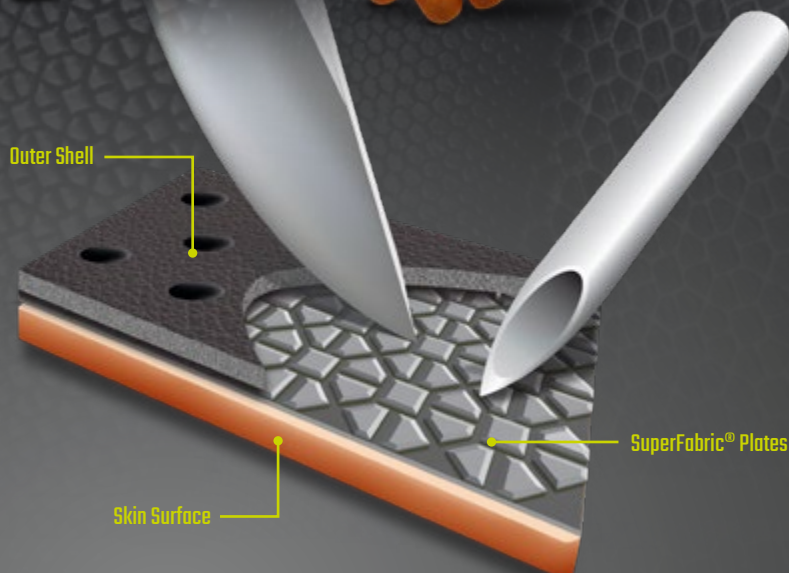
HexArmor + uvex

SuperFabric®
INSIDE

REVOLUTIONARY CUT, PUNCTURE, NEEDLESTICK PERFORMANCE

SuperFabric® brand material is a proprietary finishing process that configures tiny guard plates onto performance fabrics that help provide resistance against the harshest hazards.

These guard plates are engineered to deflect and block hazards by limiting the space between them which in turn prevents cut and puncture hazards from reaching the user's hand. SuperFabric® delivers cut protection above level F in the new European ISO 13997 cut test method.



Impact Protection – Crush and pinch risk

HexArmor 7102 Rig Lizard® Fluid

- 13 gauge high-performance polyethylene and glassfibre blend shell provides industry-leading cut resistance and offers workers ANSI/ISEA 138 level 1 protection
- Sandy nitrile palm dip provides superior grip and abrasion resistance
- Full double dipped coating for fluid/water resistance
- Elasticated cuff for a comfortable fit
- Launderable
- Wet or dry use

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	X
	Tear resistance (0-4)	4
	Puncture resistance (0-4)	2
4X42CP	Cut resistance (ISO A-F)	C

ANSI/ISEA CUT

GRAM SCORE

A3

1274

About HexArmor 7102

The Rig Lizard® Fluid 7102 delivers high performance protection with a full double dip for fluid and water resistance over an HPPE and glassfiber shell, the Rig Lizard® is a durable glove.

The highly flexible IR-X® Impact Exoskeleton™, protects workers from impact and pinch injuries.

Hi vis colour scheme increases visual awareness

Back-of-hand IR-X® impact exoskeleton™ with hi-flex design



Product number 60652

Impact - EN388 P / ANSI ISEA I38 Level 1



HexArmor 2021X Rig Lizard®

- Additional IR-X® guard between thumb and index finger
- SlipFit® cuff with pull tab and nametag
- Conforms to EN407 contact heat for level 2 performance
- Launderable
- Wet or dry use

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	3
	Tear resistance (0-4)	4
	Puncture resistance (0-4)	3
4343CP	Cut resistance (ISO A-F)	C

ANSI/ISEA CUT

GRAM SCORE

A3

1074

About HexArmor 2021X

Durable TP-X® palm with reinforced stitching pattern provides the ultimate dexterity and grip in wet/dry applications.

Reinforced index finger and thumb croth for increased longevity and hi-vis colour for increased visual awareness.

Durable TP-X® palm with reinforced stitching

Back-of-hand IR-X® impact exoskeleton™ with hi-flex design



Product number 60670

Impact - EN388 P / ANSI ISEA I38 Level 1



HexArmor 2090X Thin Lizzie™

- IR-X® Impact Exoskeleton™ with high-flex design protects against impact and pinch hazards
- 13 gauge HPPE and glass blend shell provides 360° cut protection
- Sandy nitrile palm coating for superior grip and abrasion resistance
- Reinforced thumb croth patch for increased durability
- Wet or dry use

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	4
	Cut resistance (0-5, X not applicable)	X
	Tear resistance (0-4)	4
	Puncture resistance (0-4)	3
4X44EP	Cut resistance (ISO A-F)	E

ANSI/ISEA CUT

GRAM SCORE

A4

2053

About HexArmor 2090X

Durable TP-X® palm with reinforced stitching pattern provides the ultimate dexterity and grip in wet/dry applications.

Reinforced index finger and thumb croth for increased longevity and hi-vis colour for increased visual awareness.

Reinforced thumb croth patch

High-performance polyethylene and glassfibre blend shell provides exceptional dexterity and feel



Product number 60648

Impact - EN388 P / ANSI ISEA I38 Level 1



Your Guide to the EN388 Impact Glove Standard v ANSI 138 Standard

And which one would you prefer to use when selecting Impact Gloves ?



UNITED KINGDOM EN13594:2015 IMPACT TEST	AMERICAN ANSI / ISEA 138 IMPACT TEST (FEB 2019)
Test Method 2.5kg weight dropped 20cm – A force of 20kN	Test Method 2.5kg weight dropped 20cm – A force of 20kN
Area of Glove Tested 1 test point: Weighted strike on the knuckle region only Four knuckle tests taken from four different gloves	Area of Glove Tested 9 defined test points: Weighted strike on 4 parts of the knuckle (Both hands) = 8 Tests Weighted strike on all 5 fingers (Both hands) = 10 Tests The certified score is the lowest mean result of the fingers or knuckle results – But invariably the finger result.
What this test doesn't tell us Finger protection where most impact injuries occur	What this test does tell us The minimum protection in all Impact areas of the glove
Knuckle Test Score Pass: Minimum 65% of the 20kN force absorbed Fail: Less than 65% of the 20kN force absorbed	Fingers and Knuckle Test Score Level 1: Minimum 55% of the 20kN force absorbed Level 2: Minimum 67.5% of the 20kN force absorbed Level 3: Minimum 80% of the 20kN force absorbed

THE IMPORTANCE OF UNDERSTANDING THE 2 DIFFERENT TEST METHODS

Key benefits of the ANSI TEST over the EN test

- Delivers exact information concerning all-round protection
- Answers questions about finger pinch-point protection where most injuries occur
- Reassures wearer concerns about how much protection they are receiving
- Allows HSE professionals to select impact protection according to the level of impact risk



All UVEX HexArmor Gloves are tested and certified according to both ANSI and EN standards.

Thermal heat/Arc flash/Welding

Arc flash products on this page have been tested in accordance with NFPA-70E ASTM F 2675 and Classified as EN CAT 2 glove products.

HexArmor 4062 Chrome SLT®

- EN407:2004 certified for Burning Behaviour Level 4, Contact Heat Level 2,
- Convective Heat Level 2, Radiant Heat Level 2, Small splashes of molten metal Level 4, and large splashes of molten metal Level 1
- Lab tested in accordance with HRC ATPV, 46 Cal/cm2 for a level 4 performance
- Goatskin leather palm provides a traditional style of comfort
- Extended safety cuff for easy on/off and high dexterity
- Grip in dry or light oil situations

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	2
	Cut resistance (0-5, X not applicable)	X
	Tear resistance (0-4)	2
	Puncture resistance (0-4)	3
2X23E	Cut resistance (ISO A-F)	E

ANSI/ISEA CUT

A5

GRAM SCORE

2509

uvex glove heat resistance (arc flash)

EN407:2004	Burning behaviour	4
	Contact heat	2
	Convective heat	2
	Radiant heat	2
422241	Small splashes of molten metal	4
	Large splashes of molten metal	1



Colour
white/grey

Sizes
6 to 12

Aramid liner for 360° cut protection

Extended safety cuff for easy on and off. No arc flash protection in the extended cuff



Product number **4062**

HexArmor 4061 Chrome SLT®

- EN407:2004 certified for Burning Behaviour Level 4, Contact Heat Level 2, Convective Heat Level 2, Radiant Heat Level 2, Small splashes of molten metal Level 4, and large splashes of molten metal Level 1
- Lab tested in accordance with HRC ATPV, 46 Cal/cm2 for a level 4 performance
- Goatskin leather palm provides a traditional style of comfort
- Slip fit cuff assist a quick on and off between tasks
- Form fitting quality materials for high dexterity
- Grip in dry or light oil situations

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	2
	Cut resistance (0-5, X not applicable)	X
	Tear resistance (0-4)	2
	Puncture resistance (0-4)	3
2X23E	Cut resistance (ISO A-F)	E

ANSI/ISEA CUT

A5

GRAM SCORE

2509

uvex glove heat resistance (arc flash)

EN407:2004	Burning behaviour	4
	Contact heat	2
	Convective heat	2
	Radiant heat	2
422241	Small splashes of molten metal	4
	Large splashes of molten metal	1



Colour
white

Sizes
6 to 12

Aramid liner for 360° cut protection

SlipFit® cuff assists a quick on and off between tasks



Product number **4061**

HexArmor 2082 Helix® Series

- 13-gauge, flame-resistant aramid and wool blend shell
- Arc Flash Level 1 Rating: Lab tested in accordance with HRC ATPV at 8.6 cal/cm2
- Flexible neoprene/nitrile blend palm coating provides superior grip and abrasion resistance
- Knit wrist helps prevent dirt and debris from entering the glove
- Seamless construction for enhanced comfort and breathability
- Launderable for extended life
- Grip in dry, oil, or wet situations

uvex glove cut resistance

EN388:2016	Abrasion resistance (0-4)	2
	Cut resistance (0-5, X not applicable)	X
	Tear resistance (0-4)	2
	Puncture resistance (0-4)	3
3X43D	Cut resistance (ISO A-F)	EP

ANSI/ISEA CUT

A3

GRAM SCORE

1147

uvex glove heat resistance (arc flash)

EN407:2004	Burning behaviour	4
	Contact heat	2
	Convective heat	3
	Radiant heat	1
42312X	Small splashes of molten metal	2
	Large splashes of molten metal	X



Colour
green black

Sizes
7 to 11

Flexible neoprene/nitrile blend palm coating

Aramid blended shell



Product number **2082**

EN407-2004

Protective gloves against thermal risks (Heat and/or fire)

Heat and flame protection may seem fairly basic, but the dangers are actually multi-faceted. Which is why EN407 is made up of six unique tests, each graded on a scale of zero to four, the higher the score the better the protection.

EN407



4 2 2 2 4 1
1-4 1-4 1-4 1-4 1-4 1-4

Resistance to Flammability

Because the presence of flame is inherently dangerous, this test assesses how long gloves glow or burn after they're ignited. In a controlled chamber, the glove is exposed to the flame for three seconds. The same test is performed for 15 seconds. After-flame and afterglow times are logged and the glove is inspected for any damage or exposed seams.

Contact Heat Resistance

For this test palm samples are placed on four plates heated from 100°C to 500°C. Performance is determined by how long it takes the temperature on the side opposite the sample to rise 10°C. This is known as the threshold time. Gloves need to withstand the increasing temperature of maximum 10°C for at least 15 seconds for a pass at a given level.

Convective Heat Resistance

This test resembles the Resistance to Flammability test; however, the flame is more aggressive and different surfaces of the glove are tested. In a controlled chamber, the cuff, back, and palm are exposed to the flame. The goal is to determine how long it takes to raise the inner temperature of the glove 24°C.

Radiant Heat Resistance

This tests the back of the glove to ensure materials can resist extreme heat radiating through the glove's various materials. Glove samples are exposed to a radiant heat source. Like the Convective Heat Resistance test, the goal is to assess how long it takes the inner temperatures to rise 24°C.

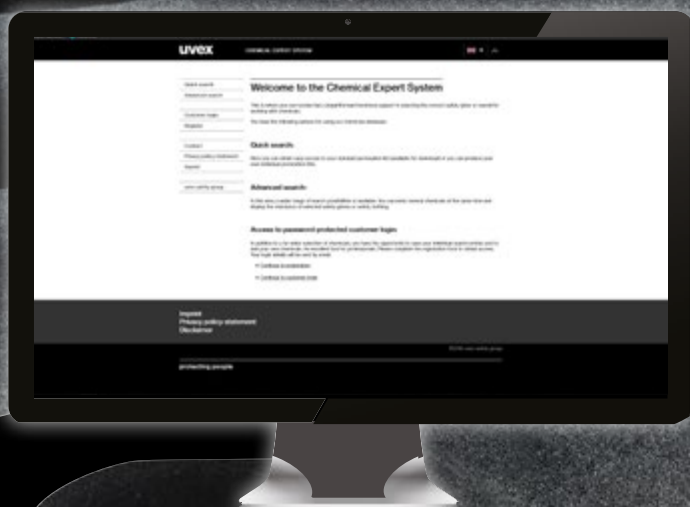
Resistance to small splashes of molten metal

This test is designed to assess hand protection when working with small amounts of molten metal. In a controlled chamber, two palm and back-of-the-hand samples are exposed to small drops of molten metal, such as copper. Protective performance is based on the number of drops needed to raise the temperature by 40°C on the opposite side of the sample.

Resistance to large splashes of molten metal

For this test, PVC foil is used to simulate how skin would be affected inside the glove. Molten metal, such as iron, is poured over a glove sample that, in turn, is placed over PVC foil. After each of three tests, the foil is assessed for changes. If a drop remains stuck to the sample, or the sample ignites or is punctured the result is a failure.

After-Burn Time (sec)	After-Glow Time (sec)	Rating	Temp after 15 seconds	Rating	Seconds	Rating	Seconds	Rating	No. of drops	Rating	Grams of Molten	Rating
under 20	infinity	1	100°C	1	under 4	1	under 5	1	under 5	1	30g	1
under 10	≤120	2	250°C	2	under 7	2	under 30	2	under 15	2	60g	2
under 3	≤25	3	350°C	3	under 10	3	under 90	3	under 25	3	120g	3
under 2	≤5	4	500°C	4	under 4	4	under 150	4	under 35	4	200g	4



uvex
u-chem 3100

EN ISO 374-1/
TYPE A
EN 388
4121X
AJKLMO
MADE IN CHINA
FOR: UVEX, ELDO-KLOVER-STR. 6
21337 LÜNEBURG · GERMANY
CE 0598
PRODUCED
03/2022

Chemical Expert System

The online chemical database

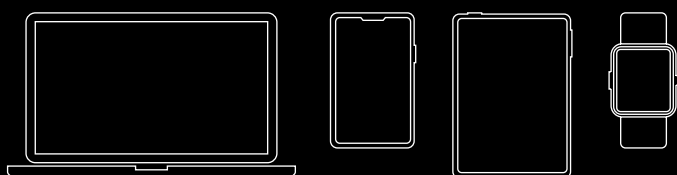
Safety gloves for use with chemicals must be selected with the greatest care.

Our extensive online chemical database and advisors are here to help, providing all the information you need to select suitable safety gloves for handling hazardous substances.



The system is free of charge and available 24/7.

3 ways to search:



Access the Chemical Expert System
in just a few clicks at <https://ces.uvex.de>

1 Quick Search

Users can search for chemicals, access permeation lists and find suitable chemical gloves. There is also the option to download a standard chemical list.

2 Advanced Search

Users can select and access information for a combination of specific chemicals to find suitable glove solutions. Permeation lists for each glove can be accessed and a downloadable PDF of the results is also available for review.

3 Custom-built Protection Plan

Registered users have access to premium functions to create a hand protection programme specific to their organisation ensuring a high level of operational safety. Hand protection plans can be created quickly and easily online and in documented form for risk assessment reports. You can build your own glove plan or work with our experts if your requirements are more specific. The online expert will take you through the process, step by step.

Functions include:

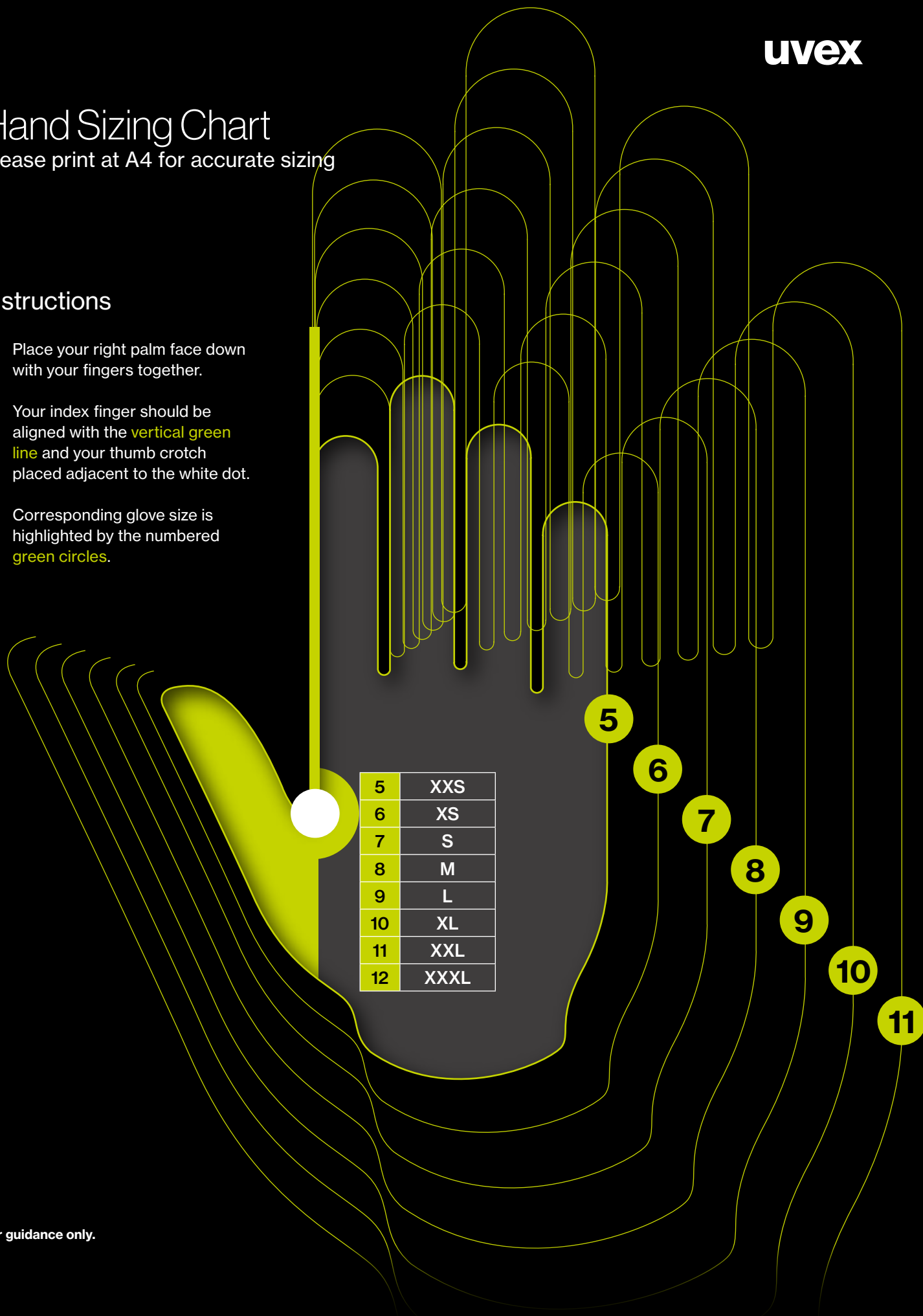
- Company-specific chemicals lists
- Ability to save individual searches
- Straightforward creation and management of glove plans
- High degree of glove plan customisation
- Available in several languages
- uvex consultation and product expertise from one source
- Ability to create a plan combining gloves from multiple manufacturers

Hand Sizing Chart

Please print at A4 for accurate sizing

Instructions


1. Place your right palm face down with your fingers together.
2. Your index finger should be aligned with the **vertical green line** and your thumb crotch placed adjacent to the white dot.
3. Corresponding glove size is highlighted by the numbered **green circles**.



For guidance only.

uvex is committed to CO₂ - neutral growth

One of the company's most ambitious targets relates to CO₂ emissions – it is aiming to achieve CO₂-neutral growth over the next few years. The fact that the uvex safety group has already been able to reduce its CO₂ emissions by almost a quarter in the last three years only serves to show that achieving this objective is not just a vision for the future. In some plants, emissions have been reduced significantly further: uvex safety gloves in Lüneburg, Germany, has reduced its CO₂ emissions by 63% since 2016. At the plant in Fürth, Germany, emissions from the production of safety spectacles have been reduced by 40% over the same time period.



“ For over 90 years, we have been producing and distributing high-quality products to protect people in sports, leisure and at work.

Any company wanting to protect people must accept the responsibility that comes with it. It is exactly this mission that instils our commitment to work sustainably and with social responsibility. ”

Michael Winter, Managing Partner of the uvex group

uvex safety gloves, Lüneburg (Germany)

- Certification of the environmental management system in accordance with DIN EN ISO 140001
- Waste management
(target of 98% separate collection rate)
- Conversion of the shock dryer to gas operation
- Certification of the energy management system in accordance with DIN EN ISO 50001