

# **Safety Gloves**

#### Product system planet series - Safety Gloves

uvex has developed the **protecting planet** icon, to help raise awareness of its commitment to achieving increased sustainability. Based on the brand claim, **protecting people**, our sustainable approach integrates three core interlinked pillars – **ecology, economy** and **social responsibility**, that are incorporated throughout the business to improve our sustainability performance.

This explains the comprehensive audit, measurement and evaluation management process uvex undertakes along the entire value chain to ensure its products are as sustainable as possible.



# UVEX phynomic XG planet



#### protecting planet

by using recycled material // by maximum reduction of pollutants

#### Polyamide recyclate

 more than 50 percent based on polyamide waste from the fibre manufacturer (polyamide recyclate)

#### Health

- skin compatibility dermatologically approved by
- the proDerm Institute
- › exceeds REACH regulations



#### protecting planet

by using environmentallyfriendly packaging

#### Packaging

- minimisation of packaging (only outer carton and sleeve)
- > 80 percent paper sleeve made of FSC-certified kraft paper
- no polyester bags

protecting plane



#### Certifications

- > Environmental management ISO 14001
- Energy management ISO 50001

#### Production

- > CO2 neutral, based on emissions resulting directly from production. Using electricity from 100 percent renewable energy sources since 2014.
- > promoting the construction of new plants for renewable energies in the region.

#### Offsetting

- > operating the highly efficient CHP at our site using green gas
- offsetting the resulting CO<sub>2</sub> emissions
   investing exclusively in approved certified climate protection projects (Gold Standard or VCS Verified Carbon Standard) > promoting, for example, the construction of new plants in India
- for the generation of solar and wind power



#### The uvex brand is our responsibility

uvex safety gloves is certified according to both **Environmental Management ISO 14001** and **Energy Management ISO 50001** and has **CO<sub>2</sub>-neutral production rating** based on direct emissions from production.

**Production in Germany** ensures **sustainable, resource-saving production** and short distances from manufacturer to end user.

# uvex hand protection

To meet our obligations, we have been using **electricity from 100 percent renewable energy sources** since 2014. With this certified **green electricity** product, we promote the construction of new plants for renewable energies in the region. We use **green gas** to **operate the highly efficient combined heat and power plant** at our site, thereby offsetting the CO<sub>2</sub> emissions produced by gas combustion processes. Through **carbon offsetting**, we invest exclusively in **climate protection projects** that are certified by internationally recognised quality standards (Gold Standard or VCS – Verified Carbon Standard) and thereby promote, for example, the construction of new plants in India for the generation of solar and wind power.

#### Material

- focus on bio-based materials: cotton, bamboo viscose, HPPE (bio-based) and/or polyamide made from recycled raw materials
- use of accelerator-free NBR coatings
- extremely comfortable and natural fit thanks to the use of breathable natural
- and functional fibres

#### Health

- exceeds REACH regulations on eliminating harmful substances
- ongoing analysis of almost 200 critical substances (uvex harmful substances standard)
- certified in line with Oeko-Tex® Standard 100 • DERMA-certified free from allergenic sub-
- stances

#### Product information/packaging

- instructions for use on FSC-certified paper (as soon as legally possible via QR code)
- minimisation/optimisation of packaging
- (outer carton and sleeve) • paper sleeve made of 80 percent FSC-
- certified kraft paper
- carton adhesive tape: Wet adhesive tape with starch-based adhesive made from potatoes

#### Social responsibility

- full implementation of the ILO standard
  continuous social audits at partner com-
- panies (uvex social standard)
- social engagement with a focus on disadvantaged children

**Green electricity** 



Amount of waste in glove production reduced by



CO<sub>2</sub>-neutral production

100% in Lueneburg, Germany

between 2019/2020 and 2021/2022

## Innovative safety gloves "Made in Germany"

Manufacturing and technology expertise



#### uvex hand protection centre of expertise in Lüneburg

A fully integrated development process, state-of-the-art robot-controlled plant technology and strict production controls guarantee that our safety gloves are of first-class quality. Production in Germany ensures sustainable, resource-saving production and short distances from manufacturer to end user.







MADE IN GERMANY

Video

## Fully integrated development processes

- own yarn/liner manufacturing
- own compounding (blending)
- specially developed moulding and process technology
- innovative coating technology
- development of customer-specific solutions
- technical modifications to existing products (e.g. thermal lining)
- individual production
  (e.g. gloves for disabled people)

## We know exactly what you want.

Our expertise is available for you at all times which forms the basis of our on-site. Risk-hazard analysis service: Our hand protection specialists work with you to determine which safety gloves are best suited to your individual requirements. Seminars, laboratory analyses and online tools round off our service portfolio.

194 Detailed information on the award criteria applied by the certification bodies OEKO-TEX\* and proDERM can be found at: uvex-safety.com/certificates

## Extensive know-how is part of our service Service expertise







management





management

#### Consultation / training / application technology

- on-site consultation from uvex product specialists
- practical hand protection seminars (uvex academy)
- plant and laboratory tours for customers
- · cooperation with scientific institutes
- · measurement and analysis service in own laboratories
  - mechanical standard test in accordance with EN 388
  - permeation tests in accordance with EN 374
  - special tests (e.g. antistatic/grip measurement/climate test)
- individual certifications (e.g. for ingredients, coating compatibility, food product suitability)



#### Information / e-services

- uvex glove expert
- designer glove plan
- online glove navigator
- online product data sheets
- online declaration of conformity

For further information, please visit: www.uvex-safety.de/usglfilm

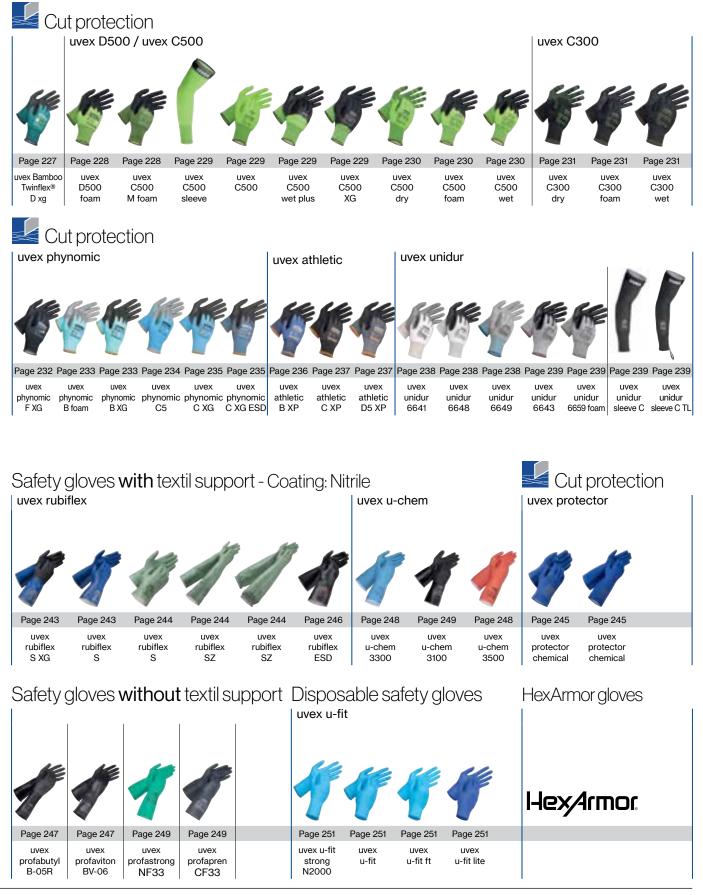


## Safety Gloves





## Safety Gloves



## Table of contents Standards and product advice

## International standards for safety gloves

International standards for safety gloves		Page
DIN EN 388:2016-03	Safety gloves to protect against mechanical risks	200
DIN EN ISO 374-1:2018-10	Safety gloves to protect against dangerous chemicals and micro-organisms	201
DIN EN 16350:2014-07	Safety gloves to protect against electrostatic characteristics	203
DIN EN 60903:2003	Live working - Gloves of insulating material	203
DIN EN 61482-1-2:2015-08	Working with high voltage - Clothing that protects against the thermal hazards of an electric arc – part 1–2 $$	203
DIN EN 407:2020-06	Safety gloves and other protective hand equipment designed to protect against thermal risks (heat and/or fire)	202
DIN EN 511:2006-07	Safety gloves to protect against the cold	202
	Suitable for use with foods (glove materials)	200
ISO 18889	Crop protection	203

### We help you choose the right safety gloves for your needs

Discover all our helpful services on our website		Page
1	uvex Glove Navigator - The fast route to finding the right gloves for you	241
2	uvex glove expert - Chemicals database, permeation lists - uvex glove plan designer	240

#### uvex - consultation and product expertise from a single source

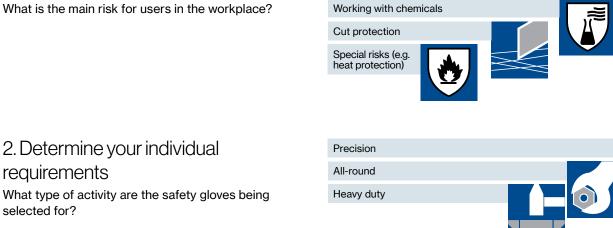


Contents Pictograms

These pictograms in our catalogue help you to choose the perfect safety glove.

1. Select the risk potential

What is the main risk for users in the workplace?



Mechanical protection

Working with chemicals

## 3. Defining environmental conditions

Are the activities in wet/oily or more humid or dry working environments? The bars indicate how suitable the product is for each setting.









requirements

selected for?

Textiles tested for pollutants



Dermatologically tested for skin compatibility

MADE IN GERMANY

Produced in Germany



Can be used with touchscreens

Breathability for high wearer comfort

clima zone



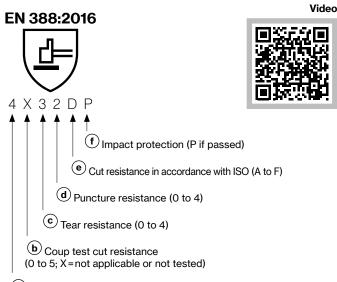
Bamboo TwinFlex® technology for safety (cut protection) and comfort (bamboo fibre)

Detailed information on the award criteria of the certificate issuers can be found at: uvex-safety.com/certificates

## Standards EN 388:2016+A1:2018

## Standard for safety gloves to protect against mechanical risks

EN 388:2016 contains various test methods for comparing the mechanical performance of gloves. This standard focusses on the following six performance levels:



(a) Abrasion resistance (0 to 4)

#### (a) Abrasion resistance

To test the abrasion resistance of the safety glove, the material is rubbed with abrasive paper under pressure. The number of cycles required to grind a hole into the material is used as a reference value. (Highest performance class 4 = 8000 cycles)

#### **(b)** Cut resistance by means of the coupe test

A rotating circular knife is used to test the cut resistance of a safety glove. The knife cuts through the glove material at constant speed and constant force. The reference value is the comparison with a reference material and a resulting index.

(Highest performance class 5 = index 20)

#### C Tear resistance

To test the tear resistance of the safety glove, the material is first cut. The reference value is the force required to tear the material. (Highest performance class 4 = 75 newtons)

#### **(d)** Puncture resistance

To test the puncture resistance, the material to be tested is pierced with a nail (defined dimension). The force used for this is used as a reference value.

#### e Cut resistance according to TDM

The application of the test method in accordance with ISO 13997 is relevant for materials that blunt the rotating circular knife during the coupe test (see above). The required force for cutting a material is measured at a defined distance (20 mm) (highest performance class F= 30 newton)

(f) Additional impact protection

Gloves with performance class "P" at the end offer specific impact absorption.

#### Suitability grades

Safety gloves for working with food must be designed in such a way that absolutely no components can be transferred to food which may

pose a hazard to human health (migration) under normal and predictable conditions.



Area of application	Aqueous pH > 4.5	Acidic pH < 4.5	Alcoholic	Fatty	Dry, non fatty
Examples	Non-alcoholic beverages Fruit Eggs Vegetables Crustaceans	Vinegar Yeast Milk Yoghurt	Wine Spirits Liqueurs	R1 = olive oil R2 = butter, margarine R3 = fish, cheese, baked goods R4 = meat, poultry R5 = sandwiches fried food	Bread Pasta Rice Tea Spices Pulses
uvex Bamboo TwinFlex® D xg	YES	YES	YES	YES (R1 – R5)	YES
uvex phynomic airlite A ESD	YES	YES	YES	YES (R1 – R5)	YES
uvex profi ergo/ uvex contact ergo	YES	YES	YES	YES (R1 – R5)	YES
uvex phynomic B foam/uvex phynomic C5	YES	YES	YES	YES (R1 – R5)	YES
uvex rubiflex und uvex rubiflex S	YES	YES	YES	YES (R1 – R5)	YES
uvex profastrong NF 33	YES	YES	YES	YES (R2 – R5)	YES
uvex u-fit	YES	YES	YES	YES (R3 – R5)	YES
uvex phynomic foam	YES	YES	YES	YES (R5)	YES
uvex phynomic lite (w)	YES	YES	YES	YES (R1 – R5)	YES
uvex unilite thermo	YES	YES	YES	NO	YES
uvex u-fit strong N2000	YES	NO	YES	YES (R3 – R5)	YES
uvex u-fit lite	YES	NO	YES	YES (R3 – R5)	YES
uvex u-chem 3300	YES	YES	YES	YES (R2 – R5)	YES
uvex phynomic F XG	YES	YES	YES	YES	YES

## Standards EN ISO 374-1:2018 · DIN EN 374-5:2016

#### EN ISO 374-1:2018 Standard for safety gloves to protect against chemical risks

Chemical safety gloves must meet the requirements of European standard EN ISO 374-1. This standard has undergone fundamental changes in terms of certification.

Test chemicals: From the list of 18 test chemicals, the glove material must be tested for permeation as part of the certification process using 6, 3 or 1 chemical(s), depending on the type class.

Identifier	Test chemical	Group	Class
A	Methanol		Primary alcohol
В	Acetone		Ketone
с	Acetonitrile		Nitrile
G	Diethylamine	polar*	Amine
н	Tetrahydrofuran	pola	Heterocyclic, ether compounds
I	Ethyl acetate		Ester
т	Formaldehyde 37%		Aldehyde
E	Carbon disulphide		Sulphur-containing organic compound
J	n-heptane	aliphatic*	
F	Toluene	aromatic*	
D	Dichloromethane	halogenated*	Chlorinated
L	Sulphuric acid 96%		Inorganic acid, oxidising
М	Nitric acid 65%	Acids	Inorganic acid, oxidising
N	Acetic acid 99%	Acius	Organic acid
S	Hydrofluoric acid 40%		Inorganic acid
к	Sodium hydroxide 40%	Bases (alkalis)	Inorganic base
0	Ammonia water 25%	Dases (aikalis)	Organic base
Р	Hydrogen peroxide 30%	Peroxide (bleach)	Peroxide

\* Solvents (hvdrocarbons (KWS))

#### Labelling of safety gloves





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Permeation resistance of Permeation resistance of type B: at least 30 minutes each with type A: at least 30 minutes each with at least 6 test chemic

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

EN ISO 374-1:2016/Type C

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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.

Your uvex account manager will be happy to provide advice.

#### DIN EN 374-5: 2016 Standard for safety gloves to protect against dangerous chemicals and micro-organisms

To protect against microorganisms such as bacteria, fungi and viruses, safety gloves must undergo and pass special penetration tests in accordance with ISO 16604:2004 (method B). Only then may they be marked with the pictogram for EN ISO 374-5.

#### Labelling of safety gloves



Variant 1: Protects against bacteria. fungi and viruses

#### Labelling on the glove



EN ISO 374-5:2016

Variant 2: Protects against bacteria and fungi

- 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
- 10 Expiration date
- 11 Manufacturer address

#### 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.

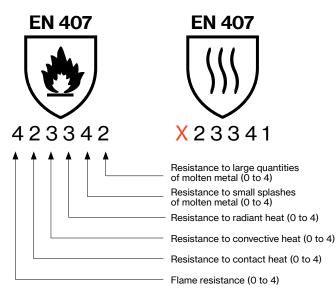
Standards EN 407:2020 · DIN EN 511:2016

#### DIN EN 407:2020 Standard for safety gloves providing protection against thermal risks – heat

The European **standard DIN EN 407** regulates the requirements for safety gloves that provide protection against thermal risks in applications involving heat. Safety gloves certified according to this standard protect the wearer against contact heat, radiant heat and small splashes of molten metal, for example.

However, this does not apply to the specific use of safety gloves in firefighting. According to DIN EN 407, heat protection gloves must have the following features:

- · low flammability and low flame propagation
- · low heat transmission (protection against radiant,
- convective and contact heat)
- high temperature resistance



#### Important changes to standards!

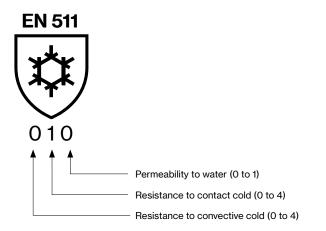
In the latest version of DIN EN 407: As of 2020, the first performance class is no longer named "resistance to flammability", but is now called "limited flame spread". If the glove has not been tested for this, a new pictogram is used (see above right). However, there are no changes to the performance classes.

The test described in DIN EN 407 assigns safety gloves a performance class in relation to each of the individual thermal hazards. It is important that the glove does not come into contact with open flames if it does not meet the criteria of performance class 3 in the limited flame spread test.

#### DIN EN 511:2006 Standard for safety gloves providing protection against thermal risks – cold

Cold safety gloves must meet the requirements of the European **standard DIN EN 511**. The certified gloves below are designed to protect the wearer from penetrating ambient cold and from contact cold through direct contact.

Gloves can also be tested for water impermeability in accordance with EN ISO 15383, thus enabling them to protect the hands from wetness and moisture. This test is considered to have been passed if water does not penetrate the safety glove over a 30-minute period.



As with mechanical risk protection, the safety glove is assigned a different performance class for each individual aspect. The performance classes are indicated by a number from 0 to 4 next to the pictogram, whereby 4 is the highest performance class.

Standards

DIN EN 16350:2014 · DIN EN 60903:2003 · ISO 18889 · DIN EN 61482-1-2:2015-08

#### DIN EN 16350:2014 Safety gloves – Electrostatic characteristics

#### The new standard

Choosing the right personal protective equipment (PPE) is particularly important in working environments that are hazardous or harbour health risks. For workplaces at risk of fire and explosive atmospheres, "EN 16350:2014 – Protective gloves – electrostatic properties" is the first European standard to prescribe the test conditions and minimum requirements for electrostatic properties of safety gloves.

- vertical resistance must be less than  $1.0 \times 10^8 \Omega$ 
  - $(R_V < 1.0 \times 10^8 \Omega).$
- test atmosphere: ambient temperature of 23 ± 1 °C, relative humidity of 25 ± 5%.

#### Important notice:

## Electrostatic discharge safety gloves are only effective if the wearer is grounded with resistance of less than 108 $\Omega.$

What should users take into account?

EN 16350:2014 is the first standard to define a limit value for vertical resistance for protective gloves; this value was not included in DIN EN 1149.

Users must therefore check the suitability of the protective gloves in line with EN 16350:2014.

References to EN 1149 are no longer sufficient, as this standard only describes the testing procedure and does not specify a limit value.

#### ISO 18889 Standard for safety gloves for users of crop protection products

The EN 18889 standard consists of three performance levels – GR, G1 and G2. G2 offers the highest level of protection.







**GR:** Partially coated safety gloves provide protection against dried spray coatings during follow-up work.

**G1:** Fully coated safety gloves for handling ready-to-use crop protection products.

**G2:** Fully coated safety gloves for use with concentrated crop protection products.

#### DIN EN 60903:2003 Live working – Gloves made from insulating material

DIN EN 60903-compliant safety gloves are category iii PPE. The insulation protection class of the insulating personal protective equipment (PPE) is determined according to the nominal voltage of the plant, with both the maximum permissible nominal AC voltage (AC) and the nominal DC voltage (DC) being calculated.

#### Labelling of safety gloves



Insulation protection class	Max. permissible nomi- nal AC voltage (AC)	Max. permissible nominal direct voltage (DC)
00	500 volts	750 volts
0	1,000 volts	1,500 volts
1	7,500 volts	11,250 volts
2	17,000 volts	25,000 volts
3	26,500 volts	39,750 volts
4	36,000 volts	54,000 volts

#### Additional identifier

	Category	Resistant to
	A	Acids
R	Н	Oil
	Z	Ozone
	С	Extremely low temperatures

#### DIN EN 61482-1-2:2015-08 Live working - Protective clothing against the thermal hazards of an electric arc

Part 1-2: Test methods - Method 2:

Determining the arc protection class of the material and the clothing using a directed test arc (box test)

Hands are at the greatest risk of burns from short circuit electric arcs when working on electrical equipment. Unfortunately, there is no recognised standard for safety gloves in Germany for testing the potential dangers of a short circuit electric arc. Therefore, safety gloves for protection against the thermal discharge of a short circuit electric arc are generally tested in accordance with EN 61482-1-2 and classified accordingly.

Class	Test current [kA]	Arcing time [ms]	Arc energy [kJ]	Incident energy [kJ/m <sup>2</sup> ]
1	4	500	168 +/- 17	146 +/- 28
2	7	500	320 +/- 22	427 +/- 39



More on this topic

203

## Mechanical Risks Area of application: precision/all-round





Working areas which do not have any moisture (water, oil, fat, cooling lubricant, etc.). Safety gloves for these conditions are extremely breathable. Examples: quality control, assembly work, distribution, end processing.



Working areas with some moisture. Safety gloves for these conditions are less breathable. The water/oil-repelling coating is crucial and also guarantees slip-resistance. Examples: oil-coated parts, changing between dry and damp working environments.



Working areas in which hands should be protected from liquids (not chemicals). Sealed safety gloves with high slip-resistance are necessary. Examples: removing oily/wet parts from machines, outdoor activities (weather-related humidity).

# uvex phynomic **Perfection in** 3 dimensions

#### 1. Perfect fit



3D ergo technology precision all the way to the fingertips

- Ergonomic solution for every wearer: up to 8 perfectly coordinated sizes
- The advantages for the wearer: . the glove fits like a second skin
  - natural touch
  - maximum flexibility for fatigue-free work

#### 2. Optimum functionality



#### **Coatings perfectly adapted** to the application at hand

- · for dry areas:
- aqua-polymer waterproofing
- · for dry and slightly damp areas: aquapolymer foam coating
- · for humid and oily areas:
- aqua-polymer xtra grip foam coating · for wet and oily areas:
- aqua-polymer pro coating
- · for applications with industrial touchscreen monitors: airLite aqua-polymer foam coating\*\*\*

#### 3. Skin safe – product safe



Enhanced skin care and product protection

#### Health protection

- no skin irritation
- dermatologically approved\*
- certified in accordance with OEKO-TEX<sup>®</sup> Standard 100
- free from harmful solvents (DMF, TEA)
- free from allergenic substances

#### Product protection

- · silicone-free according to imprint test
- suitable for sensitive surfaces
- · does not leave any traces/marks
- · certified for food processes\*

#### clima zone









\* The uvex phynomic series was clinically tested by the proDERM® Institute for Applied Dermatological Research (Hamburg, Germany). The extremely good skin tolerability of uvex phynomic safety gloves has been dermatologically tested (proDERM® studies: 11.0356-02, 11.0482-11, 13.0202-02, 15.0188-02, 15.0219-11). Detailed information on the award criteria applied by the certification bodies OEKO-TEX® and proDERM can be found at: uvex-safety.com/certificates
\*\* Models uvex phynomic lite/lite w, uvex phynomic Sam, uvex phynomic B foam and phynomic C5
\*\*\* Models uvex phynomic airLite A ESD, uvex phynomic airLite B ESD, uvex phynomic airLite C ESD

# protecting planet

# The logical addition to the successful uvex phynomic XG model

The uvex phynomic XG with Xtra Grip coating is known for its excellent grip in oily conditions. But it performs just as well in dry applications.

It is manufactured at our CO<sub>2</sub>-neutral site in Germany and, like all of our products that are "Made in Germany", contributes towards greater sustainability today.



## protecting planet

by using recycled material// by maximum reduction of pollutants

Now we are increasing our contribution to sustainability once again:

The polyamide in our textiles, comprising > 50% of the total weight, will be replaced with recycled polyamide. This allows us to conserve our environmental resources, while also reducing our carbon footprint.



We've also equipped the glove with an additional touchscreen function, so there's no need for you to take it off.





#### uvex phynomic XG planet

- flexible and extremely durable assembly glove with the best oil grip in its class
- outstanding mechanical abrasion resistance thanks to the aqua-polymer Xtra Grip coating
- outstanding grip in oily areas
- high level of breathability due to the porous foam coating
- very good tactile feel when assembling (oily) parts
- free from accelerators for health protection and skin compatibility dermatologically approved (proDERM®), highly suitable for allergy sufferers
- certified according to OEKO-TEX® Standard 100 (S02-0648 HOHENSTEIN HTTI)

	uvex phynomic XG
Art. no.	60070
Design	knitted cuff
Standard	EN 388 (4121X)
Material	elastane, carbon
Coating	aqua-polymer xtra grip foam coating on palm and fingertips
Suitable for	damp and oily working conditions
Colour	black, black
Sizes	5 to 12
Order unit	10 PR



## Mechanical Risks

Area of application: precision/all-round



#### uvex phynomic airLite A ESD

- the lightest safety glove in its class
- ESD function (DIN EN 16350:2014)
- · a noticeable difference in wearer comfort: combination of high sensitivity and tactile feel, lightness and breathability
- touchscreen compatibility for use on almost all screens, tablets and mobile phones
- · thin and breathable "airLite" aqua-polymer coating combines the highest sensitivity and tactile feel with touchscreen compatibility
- very good grip in dry and slightly damp areas · free from accelerators, health protection and
- skin compatibility dermatologically approved (proDERM®), highly suitable for allergy sufferers certified according to OEKO-TEX® Standard 100 (S02-0648 HOHENSTEIN HTTI)

- · dexterity safety glove for precision mechanical work
- very good mechanical abrasion resistance thanks to the damp-resistant aqua-polymer foam coating
- · good grip in dry and slightly damp areas
- highly breathable coating
- outstanding tactile feel when assembling parts
- · free from accelerators, health protection and skin compatibility dermatologically approved (proDERM®), highly suitable for allergy sufferers
- certified according to OEKO-TEX® Standard 100 (S02-0648 HOHENSTEIN HTTI)

uvex	phynomic allround
------	-------------------

- · light and dirt-resistant all-round 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
- highly breathable coating
- outstanding tactile feel when assembling parts
- · free from accelerators, health protection and skin compatibility dermatologically approved (proDERM®), highly suitable for allergy sufferers
- certified according to OEKO-TEX<sup>®</sup> Standard 100 (S02-0648 HOHENSTEIN HTTI)

60049

knitted cuff

grey, black

5 to 12

10 PR

EN 388 (3121X)

polyamide, elastane

palm and fingertips with

aqua-polymer foam coating

dry areas and slightly damp areas

uvex phynomic allround

	uvex phynomic airLite A ESD
Art. no.	60038
Design	knitted cuff
Standard	EN 388 (3 1 1 0 X), EN 16350
Material	polyamide, elastane, carbon
Coating	palm and fingertips with
	airLite aqua-polymer coating
Suitable for	for dry and slightly damp areas
	of application
Colour	black
Sizes	5 to 12
Order quantity multiples	10 PR



You can find more information at www.uvex-safety.com/airlite







Art. no.

Design

Standard

Material

Coating

Colour

Sizes

Suitable for

Order unit



## Mechanical Risks

Area of application: precision/all-round



#### uvex phynomic x-foam HV

- unique safety glove with break sections
- reduced tear resistance in the finger area with the integration of a seamless break section, which clearly reduces the risk of severe hand injuries when using handheld power tools
- very good mechanical abrasion resistance thanks to the damp-resistant aqua-polymer foam coating
- · good grip in dry and slightly damp areas
- highly breathable coating
- · outstanding tactile feel when assembling parts

- free from accelerators, health protection and skin compatibility dermatologically approved (pro-DERM®), highly suitable for allergy sufferers
- certified according to OEKO-TEX® Standard 100 (S02-0648 HOHEN-STEIN HTTI)

#### NOTE:

- only partially suitable for handling moving machine parts
- a thorough hazard analysis with the support of our uvex hand protection specialists is vital before use

#### uvex phynomic wet · uvex phynomic wet plus

- safety glove with water-repellent aqua-polymer foam coating for use in outdoor areas
- outstanding mechanical abrasion resistance thanks to the durable coating
- · very good grip in damp and wet areas
- · high level of breathability due to the coating

uvex phynomic wet

EN 388 (3131X)

blue, anthracite

6 to 12

polyamide, elastane

palm and fingertips with aqua-polymer foam coating

60060

knitted cuff

- very good tactile feel when assembling parts
- free from accelerators, health protection and skin compatibility dermatologically approved (pro-DERM®), highly suitable for allergy sufferers
- certified according to OEKO-TEX® Standard 100 (S02-0648 HOHEN-STEIN HTTI)

	uvex phynomic x-foam HV
Art. no.	60054
Design	knitted cuff
Standard	EN 388 (31X1X)
Material	polyamide, elastane
Coating	palm and fingertips with aqua-polymer foam coating
Suitable for	dry areas and slightly damp areas
Colour	orange, grey
Sizes	6 to 12
Order quantity multiples	10 PR





Order quantity multiples 10 PR

Art. no.

Design

Standard

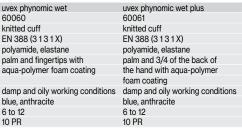
Material

Coating

Colour

Sizes

Suitable for





## Mechanical Risks

Area of application: precision/all-round/heavy duty

### uvex phynomic pro: comfort made by uvex

In addition to protective function, safety gloves for assembly work must meet a variety of other demands placed on them by the wearer. These include dexterity, a comfortable internal temperature, flexibility and a slip-resistant coating, of which all ensure the gloves do not hinder work.

These requirements are met by a number of safety gloves currently available on the market. However, the workplace often involves a combination of activities, when wearers still need to have an excellent sense of touch even if there is a significant amount of dirt or moisture. If open cell coatings continue to be used in these environments, the hands become dirty, wet or oily as well as reduced product life and regular replacement rates.

This is where uvex's new product concept comes into its own.

The coating: the innovative aqua-polymer-pro coating features dirt and moisture-repellent properties. The gloves are coated up to and including the knuckles. It remains completely flexible and offers exceptional dry and wet grip (in both wet and oily applications).

The liner: uvex has already set new standards in cut protection with the patented Bamboo-TwinFlex® technology. The uvex phynomic pro represents a further ground-breaking development in the Cut 1 segment.

The liner combines bamboo with polyamide/elastane. The dirt and moisture-repellent coating requires that it is particularly important that the fibre combination is absorbent and wicks moisture away from the skin. The silky feel of this fibre also feels pleasant on the skin.

Purity "Made in Germany": This product in the uvex phynomic range has also been tested by the proDERM® Institute to confirm the skin compatibility and dermatological tolerance through a comprehensive process of repeated patch tests and in-use studies.





#### uvex phynomic pro 2 · uvex phynomic pro

- · high dexterity and dirt- and damp-resistant safety glove
- · good mechanical abrasion resistance thanks to the durable aqua-polymer Pro coating
- very good grip in damp, wet and oily areas High breathability and very good moisture
- absorption thanks to the bamboo viscose
- · very good tactile feel when handling parts
- outstanding wearer comfort on the
- skin thanks to the bamboo-polyamideelastane liner
- free from accelerators, health protection and skin compatibility dermatologically approved (proDERM®), highly suitable for alleray sufferers
- · certified according to OEKO-TEX® Standard 100 (S02-0648 HOHENSTEIN HTTI)

	uvex phynomic pro 2	uvex phynomic pro
Art. no.	60064	60062
Design	knitted cuff	knitted cuff
Standard	EN 388 (2121X)	EN 388 (2121X)
Material	bamboo, polyamide, elastane	bamboo, polyamide, elastane
Coating	palm and fingertips with	palm and 3/4 of the back of the hand
	aqua-polymer foam coating	with aqua-polymer pro coating
Suitable for	damp and oily working conditions	damp and oily working conditions
Colour	blue, anthracite	blue, anthracite
Sizes	5 to 12	6 to 12
Order quantity multiples	10 PR	10 PR





## Mechanical Risks Area of application: precision/all-round







#### uvex phynomic lite · uvex phynomic lite w

- lightweight safety glove for fatigue-free work
   good mechanical abrasion resistance 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
- free from accelerators, dermatologically approved skin compatibility (proDERM®), highly suitable for allergy sufferers

• certified according to OEKO-TEX® Standard 100 (S02-0648 HOHENSTEIN HTTI)

#### uvex glove clip

- universal fastening options due to snap hooks
- easy handling
- suitable for all gloves
- gloves are quickly fixed and released
- perfect hold due to jagged clamps
- uncomplicated attachment to work clothing

	uvex phynomic lite	uvex phynomic lite w
Art. no.	60040	60041
Design	knitted cuff	knitted cuff
Standard	EN 388 (2121X)	EN 388 (2121X)
Material	polyamide, elastane	polyamide, elastane
Coating	palm and fingertips with aqua-polymer impregnation	palm and fingertips with aqua-polymer impregnation
Suitable for	dry and slightly damp areas of application	dry and slightly damp areas of application
Colour	grey, grey	white, white
Sizes	5 to 12	5 to 12
Order quantity multiples	10 PR	10 PR

uvex glove clip
6047900
glove keeper with snap hook
Polycarbonate
without
easy access to gloves
black
10 PC





## Mechanical Risks Area of application: precision/all-round



- ergonomic fit

elastane with liner

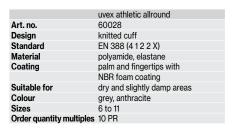
certified according to OEKO-TEX® Standard 100
 (S02-0648 HOHENSTEIN HTTI)

	uvex rubipor XS2001
Art. no.	60276
Design	knitted cuff
Standard	EN 388 (1110 X)
Material	cotton interlock, elastane
Coating	palm and fingertips coated
	with breathable
	NBR special impregnation
Suitable for	dry areas of application
Colour	white, white
Sizes	6 to 10
Order quantity multiples	10 PR



uvex rubipor XS5001B 60316 knitted cuff EN 388 (1110 X) cotton interlock, elastane palm and fingertips coated with breathable NBR special impregnation dry areas of application white, blue 6 to 10 10 PR







### Mechanical Risks Area of application: precision/all-round



#### uvex athletic lite

- · lightweight and sensitive safety glove for mechanical tasks
- matt, porous and particularly abrasion-resistant microfoam coating
- very good grip in dry and slightly damp areas · high breathability thanks to the porous coat-
- ing, reducing sweating · perfect fit thanks to the "slim fit" design and elastane in the liner
- certified according to OEKO-TEX® Standard 100 (S02-0648 HOHENSTEIN HTTI)

4

#### uvex athletic lite ESD

- · lightweight and sensitive safety glove for mechanical tasks, even a little thinner and with higher dexterity than the uvex athletic lite
- touchscreen ability and ESD function according to DIN EN 16350:2014
- matt, porous and particularly abrasion-
- resistant microfoam coating
- · very good grip in dry and slightly damp areas high breathability thanks to the porous
- coating, reducing sweating • perfect fit thanks to the "slim fit" design and
- elastane in the liner certified according to OEKO-TEX® Standard 100
- (S02-0648 HOHENSTEIN HTTI)

	uvex athletic lite ESD
Art. no.	60035
Design	knitted cuff
Standard	EN 388 (4121X), DIN EN 16350:2014
Material	polyamide, elastane, carbon
Coating	palm and fingertips with
	NBR foam coating
Suitable for	dry and slightly damp areas
Colour	blue, anthracite
Sizes	6 to 11
Order quantity multiples	10 PR



#### uvex athletic lite dry

- · lightweight and sensitive safety glove for mechanical tasks
- matt, porous and particularly abrasion-resistant microfoam coating
- with nubbing, for increased durability and a good grip
- sehr gute Griffsicherheit in trockenen und
- very good grip in dry and slightly damp areas
- high breathability thanks to the porous coating, reducing sweating
- · perfect fit thanks to the "slim fit" design and elastane in the liner
- certified according to OEKO-TEX<sup>®</sup> Standard 100 (S02-0648 HOHENSTEIN HTTI)

uvex athletic lite dry Art. no. 60033	
Art. no. 60033	
Design knitted cuff	
Standard EN 388 (4131X), EN 407 (X1XXX)	X)
Material polyamide, elastane	
Coating palm and fingertips with	
NBR foam coating, dots	
Suitable for dry and slightly damp areas	
Colour blue, anthracite	
Sizes 6 to 12	
Order quantity multiples 10 PR	







## Mechanical Risks Area of application: precision/all-round



- Iightweight 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
- good fit
- highly flexible

- flexible and durable safety glove for mechanical precision work
- good mechanical abrasion resistance with the polyamide-elastane liner and NBR polyurethane coating
- good grip in dry and slightly damp to slightly oily areas
- good tactile feel
- very good fit
- highly flexible

- moisture-proof NBR safety glove for mechanical applications outdoors
- very good abrasion resistance with the
- polyamide liner and NBR coating
- good grip in damp areas
- good tactile feel
- good fit
- highly flexible

	uvex unilite 6605
Art. no.	60573
Design	knitted cuff
Standard	EN 388 (4122X)
Material	polyamide
Coating	palm and fingertips coated with
	nitrile foam coating
Suitable for	dry and slightly damp areas
Colour	black, black
Sizes	6 to 11
Order quantity multiples	10 PR



	uvex unilite 7700
Art. no.	60585
Design	knitted cuff
Standard	EN 388 (4121X)
Material	polyamide, elastane
Coating	palm and fingertips coated with
	NBR/polyurethane coating
Suitable for	dry and damp, oily working conditions
Colour	grey, black
Sizes	7 to 11
Order quantity multiples	10 PR



	uvex unipur 6634
Art. no.	60321
Design	knitted cuff
Standard	EN 388 (4131X)
Material	polyamide
Coating	palm and fingertips coated with
	NBR coating
Suitable for	damp, oily or greasy areas of
	application
Colour	grey, black
Sizes	7 to 10
Order quantity multiples	10 PB



## Mechanical Risks Area of application: precision/all-round



#### uvex unipur 6630 · uvex unipur 6631

- light and very sensitive PU safety glove for mechanical precision work
- good mechanical abrasion resistance
- good grip in dry and slightly damp areas
- outstanding tactile feel
- very good fit
- highly flexible

#### 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
- very good fit
- highly flexible

	uvex unipur 6630	uvex unipur 6631
Art. no.	60943	60944
Design	knitted cuff	knitted cuff
Standard	EN 388 (4141X)	EN 388 (4141X)
Material	polyamide	polyamide
Coating	palm and fingertips coated	palm and fingertips coated
	with polyurethane coating	with polyurethane coating
Suitable for	dry and	dry and
	slightly damp areas	slightly damp areas
Colour	white, white	grey, grey
Sizes	6 to 11	6 to 11
Order quantity multiples	10 PR	10 PR

#### uvex unipur 6639 Art. no. 60248 Design Standard knitted cuff EN 388 (4131X) Material polyamide palm and fingertips coated with polyurethane coating Coating Suitable for dry and slightly damp areas Colour black, black Sizes 6 to 11 Order quantity multiples 10 PR







## **Mechanical Risks** Area of application: precision/all-round



uvex unigrip

for rougher mechanical activities

· good grip with the thin PVC dots in dry areas

MADE IN GERMANY

#### uvex unipur carbon

- · sensitive and anti-static safety glove for precision work with electronic parts
- very good grip
- fulfils requirement of DIN EN 16350:2014
- · very high level of breathability
- outstanding tactile feel
- Art.No. 60556: Made in Germany
- uvex unipur carbon 60556 uvex uni 60587 Art. no. Design knitted cuff knitted c Standard EN 388 (2131X) EN 388 EN 16350 EN 1635 Material polyamide, carbon polyamic Coating palm with carbon microdots, fingertip fingertips with thin elastomer coating elastome Suitable for dry areas of application dry areas Colour Sizes grey, black, white 6 to 10 grey, white 6 to 10 Order quantity multiples 10 PR 10 PR

pur carbon FT	
	Art.
cuff	Des
(2131X)	Star
50	Mate
de, carbon	Coa
s with thin	
er coating	Suit
s of application	Cold

	uvex unigrip 6624	uvex unigrip 6620
Art. no.	60238	60135
Design	knitted cuff, 10-gauge	knitted cuff, 13-gauge
Standard	EN 388 (2 2 4 2 B)	EN 388 (2241B)
Material	polyamide, cotton	polyamide, cotton
Coating	palm and fingers coated	palm and fingers coated
	with PVC dots	with PVC dots
Suitable for	dry areas of application	dry areas of application
Colour	grey, red	white, blue
Sizes	7 to 10	7 to 10
Order quantity multiples	10 PR	10 PR

• knitted safety gloves with 13-gauge (uvex unigrip PA and uvex unigrip 6620) for precise mechanical work and 10 gauge (uvex unigrip 6624)



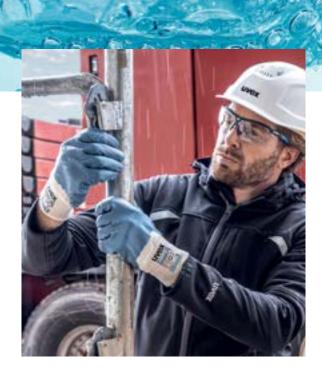




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## Mechanical Risks Area of application: all-round/heavy duty



Excellent grip in wet conditions 60023





MADE IN GERMANY

#### uvex profi pure HG

- safety glove with uvex Hydro-Grip technology
- outstanding grip in wet working conditions
- heat protection up to 100°C
- excellent wearer comfort thanks to the high moisture absorption of the cotton lining
- dermatologically tested, free from allergenic accelerators
- certified according to OEKO-TEX<sup>®</sup> Standard 100
- (S02-0648 HOHENSTEIN HTTI) • ergonomic fit
- highly flexible
- · good tactile feel

Design Standard Material Coating

Suitable for

Colour

Sizes

Art. no.

uvex profi pure HG 60023 knitted cuff EN 388 (2 1 2 1 X), EN 407 (X 1 X X X X) cotton interlock palm and whole back of hand with hydro-grip special polymer coating for damp and wet applications white, blue 6 to 11 Order quantity multiples 10 PR



216

## **Mechanical Risks** Area of application: all-round/heavy duty





#### uvex profi ergo XG

safety glove with uvex Xtra-Grip Technology

- outstanding grip in oily working conditions
- heat protection up to 100°C
- very good mechanical abrasion resistance thanks to the multi-layer design for increased service life • outstanding grip in damp and oily areas
- good tactile feel
- ergonomic fit
- highly flexible
- excellent wearer comfort thanks to the high moisture absorption of the cotton lining
- certified according to OEKO-TEX® Standard 100 (S02-0648 HOHENSTEIN HTTI)

Art. no. Design Standard Material Coating

Suitable for

Colour Sizes

Order quantity multiples 10 PR



uvex profi ergo XG20A

	uvex profi ergo XG20
	60208
	knitted cuff
	EN 388 (3121X),
	EN 407 (X 1 X X X X)
	cotton interlock
ł	palm and whole back of the hand
	with special NBR and
	Xtra Grip coating (nitrile rubber)
	oily or greasy areas
	of application
	white, orange, black
	6 to 11
	10 PR

MADE IN GERMANY

Xtra Grip





## Mechanical Risks

Area of application: all-round/heavy duty



#### uvex contact ergo

- thick, hard-wearing cotton interlock safety glove with NBR coating
- very good grip in damp, wet and oily areas
- good tactile feel
- ergonomic fit
- highly flexible

• excellent wearer comfort thanks to the high moisture absorption of the cotton lining

MADE IN GERMANY

- certified according to OEKO-TEX® Standard 100 (S02-0648 HOHEN-
- STEIN HTTI)



#### uvex profi ergo

- cotton interlock safety glove with NBR coating for universal use
- very good grip in damp, wet and oily areas
- good tactile feel
- ergonomic fit
- high flexibility
- very good wearer comfort due to the high water vapour absorption of the cotton lining

X1XXXX

MADE IN GERMAN

2121X

 certified according to OEKO-TEX<sup>®</sup> Standard 100 (S02-0648 HOHEN-STEIN HTTI)

	uvex contact ergo ENB20C
Art. no.	60150
Design	knitted cuff
Standard	EN 388 (2121X)
Material	cotton interlock
Coating	palm and fingers with special NBR coating (nitrile rubber)
Suitable for	oily and greasy areas of application
Colour	white, orange
Sizes	6 to 10
Order quantity multiples	10 PR

	uvex profi ergo ENB20A	uvex profi ergo ENB20
Art. no.	60147	60148
Design	knitted cuff	knitted cuff
Standard	EN 388 (2121X),	EN 388 (2121X),
	EN 407 (X 1 X X X X)	EN 407 (X 1 X X X X)
Material	cotton interlock	cotton interlock
Coating	palm and 3/4 of the back of the	palm and whole back of the
	hand with special NBR coating	hand with special NBR coating
	(nitrile rubber)	(nitrile rubber)
Suitable for	damp, oily or greasy	damp, oily or greasy
	areas of application	areas of application
Colour	white, orange	white, orange
Sizes	6 to 11	6 to 10
Order quantity multiples	10 PR	10 PR





# Mechanical Risks

Area of application: Heavy duty



- with NBR coating
- good tactile feel
- ergonomic fit
- certified according to OEKO-TEX® Standard 100 (S02-0648 HOHENSTEIN HTTI)
- activities
- protection against contact heat to 100°C (level 1)

Art. no.

Design

Standard

- highly flexible, seamless polyester-knit liner
- with NBR coating

	uvex rubiflex NB27
Art. no.	89636
Design	gauntlet, approx. 27 cm
Standard	EN 388 (3111X)
Material	cotton interlock
Coating	fully coated with special NBR coating
	(nitrile rubber)
Suitable for	damp, oily or greasy areas
	of application
Colour	orange
Sizes	7 to 11
Order quantity multiples	10 PR





uvex unilite 7710F 60278

EN 388 (4121X),

EN 407 (X 1 X X X X)

knitted cuff







## Mechanical Risks

Area of application: Heat risks



#### uvex nk

- safety glove for thermal applications
- good mechanical abrasion resistance
- very good grip in dry, damp and oily areas through the rough surface
- very good thermal insulation in direct contact with warm to hot objects
- suitable for contact heat up to +100 °C (as per EN 407)
- certified according to OEKO-TEX® Standard 100 (S02-0648 HOHENSTEIN HTTI)

Art. no.         60213         60202           Design         gauntlet, approx. 27 cm         gauntlet, approx. 40 cm           Standard         EN 388 (2 3 4 2 X), EN 407 (X 1 X X X) EN 407 (X 1 X X X X)           Material         cotton interlock, aramid knit           Coating         fully coated with special NBR coating
approx. 27 cm         approx. 40 cm           Standard         EN 388 (2 3 4 2 X), EN 388 (2 3 4 2 X), EN 407 (X 1 X X X X)           EN 407 (X 1 X X X X) EN 407 (X 1 X X X X)           Material         cotton interlock, aramid knit           Coating         fully coated with special NBR coating
Standard         EN 388 (2 3 4 2 X), EN 407 (X 1 X X X X) EN 407 (X 1 X X X X)           Material         cotton interlock, aramid knit           Coating         fully coated with special NBR coating
EN 407 (X 1 X X X X) EN 407 (X 1 X X X X) Material cotton interlock, aramid knit Coating fully coated with special NBR coating
Material         cotton interlock, aramid knit           Coating         fully coated with special NBR coating
Coating fully coated with special NBR coating
(nitrile rubber)
Suitable for damp, oily or greasy areas of application
Colour orange
Sizes 9 to 10 9 to 10
Order quantity multiples 10 PR 10 PR



uvex k-basic extra

- Kevlar<sup>®</sup> coarse-knitted glove for mechanical and thermal activities
- very good thermal insulation in direct contact with warm to hot objects
- suitable for contact heat up to +250 °C
  good cut protection
- good wearer comfort with cotton lining on the inside
- breathable

	uvex k-basic extra 6658
Art. no.	60179
Design	knitted cuff, 7-gauge
Standard	EN 388 (2 4 4 2 D),
	EN 407 (X 2 X X X X)
Material	100 % Kevlar®, cotton lining (inside)
Coating	none
Suitable for	cut and heat-resistant
Colour	yellow
Sizes	8, 10, 12
Order quantity multiples	5 PR

#### uvex profatherm

- cotton terry safety glove for thermal applications
- very good thermal insulation in direct contact with warm to hot objects
- suitable for contact heat up to +250 °C
  good wearer comfort with the cotton terry
- good wearer comfort with the cotton terry material on the inside

	uvex profatherm XB40
Art. no.	60595
Design	gauntlet, approx. 40 cm
Standard	EN 388 (2 2 4 1 B),
	EN 407 (X 2 X X X X)
Material	cotton terry
Coating	none
Suitable for	insulation against heat and cold
Colour	white
Sizes	11
Order quantity multiples	6 PR



## Mechanical Risks Area of application: Cold protection



#### uvex unilite thermo

- winter glove with dual-layer design
- good mechanical abrasion resistance with a polymer coating that is flexible at low temperatures
- very good thermal insulation in direct contact with cold objects
- good fit

#### uvex unilite thermo plus cut c

- outstanding tactile feel
- high abrasion resistance
  flexible at cold temperatures
- mechanical resistance
- very high cut protection (Level C)

	uvex unilite thermo	uvex unilite thermo plus	uvex unilite thermo FC		uvex unilite thermo plus cut c
Art. no.	60593	60592	60842	Art. no.	60591
Design	knitted cuff	knitted cuff	knitted cuff	Design	back of the hand partially coated,
Standard	EN 388 (3131X), EN 511 (010)	EN 388 (3131X), EN 511 (010)	EN 388 (2242C), EN 511 (12X),		knitted cuff
			EN 407 (X2XXXX)	Standard	EN 388 (3X42C), EN 511 (02 X)
Material	acrylic and new wool mix (lining),	acrylic and new wool mix (lining),	acrylic (inner), nylon (outer)	Material	two-layer design: acrylic (inside),
	polyamide and elastane (outer)	polyamide and elastane (outer)	palm and whole		glass/polyamide (outside)
Coating	palm and fingertips with	palm and 3/4 of the back of the	back of hand with	Coating	palm and fingertips with polymer
	cold-flexible polymer coating	hand with cold-flexible polymer coating	natural latex coating,		coating that is flexible in the cold
Suitable for	dry and slightly	dry and slightly	3/4 grip coating	Suitable for	dry and slightly damp working
	damp working conditions	damp working conditions	for wet, oily working conditions		conditions
Colour	black, black	black, black	red, black	Colour	lime, black
Sizes	7 to 11	7 to 11	7 to 11	Sizes	7 to 11
Order quantity multiples	10 PR	10 PR	10 PR	Order quantity multiples	10 PR





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## Mechanical Risks

Area of application: Working on live parts



- · due to the anatomical shape the
- fers high wearer comfort, even at
- glove offers high dexterity
- low temperatures • arc flash protection class 1
- EN 61482-1-2 (box test)
- exceptional dexterity right to the fingertips
- very good protection against thermal discharge
- thermal protection • certified according to OEKO-TEX® Standard 100 (S02-0648 HOHEN-STEIN HTTI)

	uvex power protect V1000
Art. no.	60840
Design	41 cm straight cuff
Standard	EN 60903 (Class 0/RC), EN 61482-1-2 (Class 1)
Material	no lining
Coating	natural latex, 1.6 mm
Suitable for	good resistance to oils, acids and ozone
Colour	red
Sizes	7 to 11
Order unit	PR

	uvex arc protect g1
Art. no.	60838
Design	27 cm cuff
Standard	388:2016 (1 X 2 1 X), 407 (4 1 1 1 X X), 61482-1-2 (Class 1)
Material	modacryl, cotton, antistatic
Coating	none
Suitable for	for dry areas of application
Colour	anthracite
Sizes	7 to 11
Order quantity multiples	10 PR







# Mechanical Risks

Cut protection at a glance





Rown

## Bamboo TwinFlex® technology

High-tech for greater comfort when wearing the cut protection glove



#### Silky-soft feel and high moisture absorption thanks to bamboo fibre

The only cut protection gloves with natural bamboo fibre: uvex cut protection gloves based on the latest generation of patented uvex Bamboo TwinFlex® technology set new standards in protection, comfort, flexibility, dexterity and economy. The tailor-made cut-protection comfort class helps increase wearer acceptance – particularly when carrying out demanding activities – as the unique combination of silky-soft bamboo fibre and high-tech protective fibres ensures a high level of wearer comfort and good climate characteristics while also providing effective protection. After all, a safety glove can only help to prevent accidents if the user actually wears it.

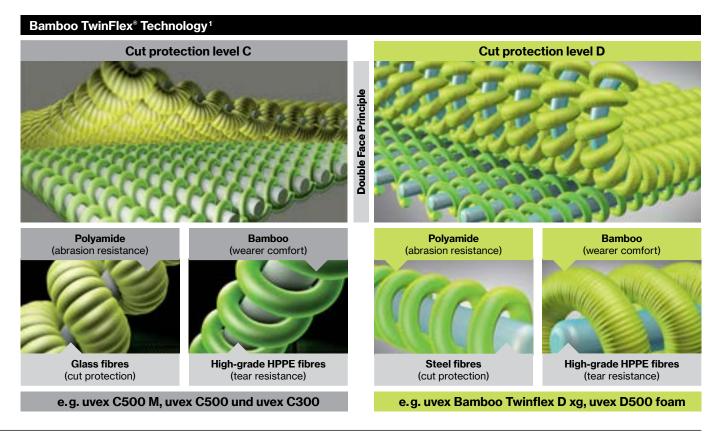
#### Technology

#### Patented Bamboo TwinFlex® comfort

Silky-soft, comfortable material on the inside of the bamboo-viscose glove ensures very high wearer comfort against the skin. The bamboo fibre not only feels incredibly good on the skin, it also has a very high and quick moisture absorption to keep your skin comfortable and dry while working.

#### Patented Bamboo TwinFlex® protection

Cut-resistant glass fibres and abrasion-resistant polyamide guarantee optimum mechanical protection. The use of steel fibres in combination with HPPE and polyamide increases the cut protection even to level D.



#### Bamboo TwinFlex<sup>®</sup> technology High-tech for greater comfort when wearing the cut protection glove

## First-class climate control

uvex climazone - measurably enhanced comfort

- reduced sweating
- high breathability
- significantly greater moisture absorption compared to other types of fibres

Wearer comfort and an improved microclimate are the ultimate benchmarks in safety gloves. This is why the uvex climazone climate-management system in hand protection is being continuously developed together with market-leading partners and renowned testing and research institutes.



#### clima zone



### Bamboo TwinFlex® D xg The latest generation of cut protection gloves – Cut Level D





Comfortable: Silky-soft bamboo fibre



Healthy: tested for skin compatibility



Long-lasting: uvex protexxion zone



Additional feature: Can be used with touchscreens



Local: Made in Germany

#### uvex Bamboo TwinFlex® D xg

- the patented Bamboo TwinFlex yarn technology ensures fast absorption and high retention of moisture as well as a silky-soft feel against the skin
- uses sustainable raw materials: Bamboo fibre, recycled polyamide
- high level of sensitivity
- adaptive fit: adapts precisely to fit the shape of the hand within a few minutes of wearing
- particularly light, thin and flexible with high cut protection due to the use of the finest steel (Cut Level D)
- touchscreen capability means there is no need to remove the glove

- heat protection: Protection against contact heat up to 100°C
- long service life thanks to uvex protexxion zone and premium Xtra-Grip coating
  uvex protexxion zone with smooth material
- surface ensures that work processes run smoothly
- dermatologically tested, free from allergenic accelerators
- certified according to OEKO-TEX® Standard 100 (S02-0648 HOHENSTEIN HTTI)

	uvex Bamboo TwinFlex® D xg
Art. no.	60090
Design	knitted cuff
Standard	EN 388 (4X41D), EN 407 (X1XXXX)
Material	bamboo viscose, HPPE, steel, polyamide, elastane
Coating	aqua-polymer xtra grip foam coating
Suitable for	dry and damp, oily areas
Colour	green, black
Sizes	6 to 12
Order quantity multiples	10 PR



#### Mechanical Risks Area of application: cut protection



60604



EN 407:200

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XIXXXX

88:2016

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4 X 4 2 C



#### uvex D500 foam

- cut protection gloves with excellent wearer comfort, well suited for all-round activities
- high abrasion resistance thanks to the innovative Soft-Grip-Coating
- very good grip in slighty damp enviroments
- very high uvex cut protection with Bamboo Twin Flex<sup>®</sup> technology
- high flexibility
- very good tactile feelperfect fit with 3D Ergo man mold
- technology • certified according to OEKO-TEX®
- Standard 100 (S02-0648 HOHEN-STEIN HTTI)

#### uvex C500 M foam

- cut protection gloves with excellent wearer comfort, well suited for all-round activities
- outstanding mechanical abrasion resistance thanks to the innovative SoftGrip coating
- very good grip in dry and slightly damp environments
- very high level of cut protection with patented Bamboo TwinFlex<sup>®</sup> technology

Art. no.

 suitable for contact heat up to +100°C, in line with EN 407

MADE IN GERMANY

- partially reinforced thumb joints
- very good tactile feel, high level of flexibility
- perfect fit with 3D Ergo man mould technology
- silicone-free according to imprint test
- certified according to OEKO-TEX® Standard 100 (S02-0648 HOHEN-STEIN HTTI)

	uvex D500 foam
Art. no.	60604
Design	knitted cuff
Standard	EN 388 (4 X 4 2 D)
Material	bamboo-rayon, Dyneema® Diamond, steel, polyamide
Coating	palm and fingertips with high-performance elastomer (HPE)
	and SoftGrip foam coating
Suitable for	dry areas and slightly damp areas
Colour	lime, anthracite
Sizes	7 to 11
Order quantity multiples	10 PR



uvex C500 M foam

60498







## Mechanical Risks Area of application: cut protection



#### uvex C500

- cut protection glove or forearm protection (uvex C500 sleeve)
- with excellent wearer comfort, well suited for all-round activities • outstanding mechanical abrasion resistance thanks to the innovative
- Soft Grip coating (uvex C500 wet plus and uvex C500 XG) • very good grip in dry (all models), slightly damp/wet (uvex C500 wet
- plus) and oily (uvex C500 XG) environments • very high level of cut protection with patented uvex Bamboo TwinFlex® technology
- highly flexible
- very good tactile feel
- perfect fit with 3D Ergo technology
- silicone-free according to imprint test
- certified according to OEKO-TEX® Standard 100 (S02-0648 HOHENSTEIN HTTI)

	uvex C500 sleeve		uvex C500	uvex C500 wet plus	uvex C500 XG
Art. no.	60491-07	60491-10	60497	60496	60600
Design	underarm protection with ve	lcro fastening,	knitted cuff	knitted cuff	knitted cuff
	34 cm (M), 40 cm (L)				
Standard	EN 388 (2 X 4 X C)		EN 388 (1 X 4 X C)	EN 388 (4 X 4 2 C), EN 407 (X 1 X X X X)	EN 388 (4 X 4 2 C)
Material	bamboo rayon, HPPE, glass		bamboo rayon, HPPE, glass,	bamboo rayon, HPPE, glass,	bamboo rayon, HPPE, glass,
	polyamide		polyamide	polyamide	polyamide
Coating	none		none	palm and 3/4 of the back of the hand	palm and whole back of the hand
				with high performance elastomer	with high performance elastomer
				(HPE) coating	(HPE) and Xtra Grip coating
Suitable for	dry areas of application		dry areas of application	damp, oily or greasy areas	damp, wet, oily or greasy
				of application	areas of application
Colour	lime		lime	lime, anthracite	lime, anthracite
Sizes	М	L	7 to 11	7 to 11	7 to 11
Order quantity multiples/	PC	PC	10 PR	10 PR	10 PR
Order unit					







#### Mechanical Risks Area of application: cut protection



#### uvex C500

- cut protection safety gloves with outstanding wearer comfort
- outstanding mechanical abrasion resistance thanks to the innovative SoftGrip coating (uvex C500 foam and uvex C500 wet)
- very good grip in dry (all models), slightly damp (uvex C500 foam) and wet (uvex C500 wet) environments
- very high level of cut protection with patented uvex Bamboo  $\mathsf{TwinFlex}^{\circledast}$  technology
- in line with EN 407, the model is suitable for contact heat up to +100  $^\circ \rm C$  (uvex C500 foam and C500 sleeve)
- highly flexible
- very good tactile feel
- perfect fit with 3D Ergo technology
- silicone-free according to imprint test
- certified according to OEKO-TEX® Standard 100 (S02-0648 HOHENSTEIN HTTI)

	uvex C500 dry	uvex C500 foam	uvex C500 wet
Art. no.	60499	60494	60492
Design	knitted cuff	knitted cuff	knitted cuff
Standard	EN 388 (X X 4 X C)	EN 388 (4 X 4 2 C), EN 407 (X 1 X X X X)	EN 388 (4 X 4 2 C), EN 407 (X 1 X X X X)
Material	bamboo rayon, HPPE, glass, polyamide	bamboo rayon, HPPE, glass, polyamide	bamboo rayon, HPPE, glass, polyamide
Coating	palm and fingers with high performace vinyl (HPV)	palm and fingertips with high performance	palm and fingertips with high performance
	grip dots	elastomer (HPE) and Soft Grip foam coating	elastomer (HPE) coating
Suitable for	dry areas of application	dry areas of application	damp, oily or greasy areas of application
Colour	lime, anthracite	lime, anthracite	lime, anthracite
Sizes	7 to 11	7 to 11	7 to 11
Order quantity multiple	s 10 PR	10 PR	10 PR







## Mechanical Risks Area of application: cut protection



- cut protection glove with excellent wearer comfort
  outstanding mechanical abrasion resistance thanks to the innovative SoftGrip coating (uvex C300 foam and uvex C300 wet)
- very good grip in dry (all models), slightly damp (uvex C300 foam) and wet (uvex C300 wet) environments
- good cut protection with patented uvex Bamboo TwinFlex® technology
- highly flexible
  very good tactile feel
- perfect fit with 3D Ergo technology
- silicone-free according to imprint test
- certified according to OEKO-TEX® Standard 100
   (S02-0648 HOHENSTEIN HTTI)

	uvex C300 dry	uvex C300 foam	uvex C300 wet
Art. no.	60549	60544	60542
Design	knitted cuff	knitted cuff	knitted cuff
Standard	EN 388 (X X 4 X C)	EN 388 (3 X 4 2 C)	EN 388 (4 X 4 2 C)
Material	bamboo rayon, HPPE, glass, polyamide	bamboo rayon, HPPE, glass, polyamide	bamboo rayon, HPPE, glass, polyamide
Coating	palm and fingers with high performance	palm and fingertips with high performance	palm and fingertips with high performance elastomer
	vinyl (HPV) grip dots	elastomer (HPE) and Soft Grip foam coating	(HPE) coating
Suitable for	dry areas of application	dry areas of application	damp, oily or greasy areas of application
Colour	anthracite	anthracite	anthracite
Sizes	7 to 11	7 to 11	7 to 11
Order quantity multiple	s 10 PR	10 PR	10 PR







## uvex phynomic Perfection in 3 dimensions

- 1. Outstanding health protection: certified according to proDERM and uvex harmful substances standards 2. Sustainability:
- CO<sub>2</sub>-neutral production in Lueneburg 3. Extreme durability reduces costs and waste

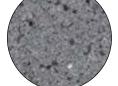
Choose the ideal phynomic cut protection glove for your application:

Additional functions such as Xtra-Grip for oily areas, touchscreen and ESD compatibility and suitability for the food industry enable these products to be used in a variety of special application areas. uvex phynomic cut protection gloves are available with cut protection levels B to F. The uvex phynomic

C XG and uvex phynomic F XG are available with additional protection in the thumb crotch as an option: The uvex protexxion zone further increases the service life.



Unique uvex XG coating with excellent grip in oily conditions





#### uvex phynomic cut protection products are now also available with our well-known and popular XG coating.

This Xtra-Grip coating is designed for excellent grip in oily conditions and for increased grip during mechanical activities in slightly damp and oily applications.

High cut protection, with high sensitivity – now with cut protection level F.



#### uvex phynomic F XG

- sensitive glove with very high cut protection level (Cut F) and excellent grip in oily conditions, for mechanical activities
- outstanding mechanical abrasion resistance
- thanks to the Aqua-Polymer-Xtra-Grip coating
- excellent grip in oily, slightly damp, and dry areas
- heat protection up to 100°C
- touchscreen compatibility for use with almost all screens, tablets and mobile phones
- high level of breathability thanks to the porous foam coating
- excellent tactile feel when assembling (oily) parts
- free from accelerators for health protection and skin compatibility dermatologically approved (proDERM®), highly suitable for allergy sufferers
- certified according to OEKO-TEX® Standard 100 (S02-0648 HOHENSTEIN HTTI)

	uvex phynomic F XG
Art. no.	60068
Design	knitted cuff
Standard	EN 388 (4 X 4 4 F)
Material	polyamide, elastane, HPPE, glass, steel
Coating	aqua-polymer foam coating on palm and fingertips
	Xtra-Grip foam coating
Suitable for	for damp and oily areas
Colour	black, black
Sizes	6 to 12
Order quantity multiples	10 PR



## Mechanical Risks

Area of application: cut protection



#### uvex phynomic B foam

- · sensitive cut protection safety glove for mechanical activities
- suitable for use in the food industry
- 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
- certified according to OEKO-TEX® Standard 100
- (S02-0648 HOHENSTEIN HTTI)

#### uvex phynomic B XG

- sensitive cut protection glove, with excellent grip in oily conditions, for mechanical activities
- outstanding mechanical abrasion resistance thanks to the aqua-polymer XtraGrip coating
- excellent grip in oily, slightly damp, and dry areas
- touchscreen compatibility for use with almost all screens, tablets and mobile phones
- high level of breathability thanks to the porous foam coating
- excellent tactile feel when assembling (oily) parts
- free from accelerators for health protection and skin compatibility dermatologically approved (proDERM®), highly suitable for allergy sufferers
- · good cut protection and high tear resistance
- certified according to OEKO-TEX® Standard 100 (S02-0648 HOHENSTEIN HTTI)

	uvex phynomic B foam
Art. no.	60080
Design	knitted cuff
Standard	EN 388 (4 X 4 3 B)
Material	polyamide, elastane, HPPE, glass, carbon
Coating	aqua-polymer foam coating on palm and fingertips
	Xtra-Grip foam coating
Suitable for	for damp and oily areas
Colour	sky blue, grey
Sizes	6 to 12
Order quantity multiples	10 PR



uvex phynomic B XG 60044 knitted cuff EN 388 (4 X 4 2 B) polyamide, elastane, HPPE, glass, carbon
nitted cuff EN 388 (4 X 4 2 B)
EN 388 (4 X 4 2 B)
nalvamida alastana UDDE alasa sarban
polyamide, elastane, HFFE, glass, carbon
aqua-polymer foam coating on palm and fingertips
Xtra-Grip foam coating
for damp and oily areas
sky blue, black
6 to 12
10 PR
a X fc Sl



#### Mechanical Risks Area of application: cut protection





protecting planet by maximum reduction of pollutants //

With the uvex phynomic C5 cut protection glove, we protect not only your hands, but also all of our resources.

#### The uvex phynomic C5 is manufactured with bio-based

**HPPE (DSM Dyneema).** The high-performance fibres provide cut protection and increase the tear resistance of the glove. Usually, HPPE is based on crude oil, a finite raw material.



#### Bio-based HPPE is derived from oils produced

during the pulp production process. The underlying raw material for pulp products, such as various papers, is wood. This means that the raw material that is used in your safety glove is renewable and therefore more sustainable.

In the uvex phynomic C5, bio-based HPPE accounts for least 45% of the weight of the glove.



#### uvex phynomic C5

- all-round cut protection safety glove for mechanical activities
- suitable for use in the food industry
- very good mechanical abrasion resistance thanks to the moisture-resistant aqua-polymer foam coating
- very good grip in dry and slightly damp areas
- very good cut protection (level C) and high tear resistance
- highly breathable coating
- outstanding tactile feel when assembling parts
- sustainable: with 45% bio-based HPPE (DSM Dyneema)
- certified according to OEKO-TEX® Standard 100
   (S02-0648 HOHENSTEIN HTTI)

	uvex phynomic C5
Art. no.	60081
Design	knitted cuff
Standard	EN 388 (4 X 4 2 C)
Material	Dyneema® Diamond Technology (bio-based), polyamide, elastane
Coating	palm and fingertips with aqua-polymer foam coating
Suitable for	dry areas and slightly damp areas
Colour	blue, grey
Sizes	6 to 12
Order quantity multiples	10 PR



## Mechanical Risks

Area of application: cut protection



#### uvex phynomic C XG

- · sensitive cut protection safety glove for mechanical activities
- suitable for use in the food industry
- 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
- certified according to OEKO-TEX® Standard 100
- (S02-0648 HOHENSTEIN HTTI)

#### uvex phynomic C XG ESD

- sensitive cut protection glove, with excellent grip in oily conditions, for mechanical activities
- ESD function (DIN EN 16350:2014)
- outstanding mechanical abrasion resistance thanks to the aqua-polymer XtraGrip coating
- excellent grip in oily, slightly damp, and dry areas
- touchscreen compatibility for use with almost all screens, tablets and mobile phones
- free from accelerators for health protection and skin compatibility der-
- matologically approved (proDERM®), highly suitable for allergy sufferers • certified according to OEKO-TEX® Standard 100 (S02-0648 HOHENSTEIN HTTI)

uvex phynomic C XG Art. no. 60047 knitted cuff Design Standard EN 388 (4 X 4 2 C) Material polyamide, elastane, HPPE, glass, carbon Coating aqua-polymer foam coating on palm and fingertips Xtra-Grip foam coating Suitable for damp and oilv areas Colour sky blue, grey Sizes 6 to 12 Order quantity multiples 10 PR



Standard     EN 388 (3 X 4 2 C), EN 16350       Material     polyamide, elastane, HPPE, glass, carbon       Coating     aqua-polymer foam coating on palm and fingertips       Xtra-Grip foam coating     Xtra-Grip foam coating       Suitable for     damp and oily areas       Colour     blue, black	
Standard     EN 388 (3 X 4 2 C), EN 16350       Material     polyamide, elastane, HPPE, glass, carbon       Coating     aqua-polymer foam coating on palm and fingertips       Xtra-Grip foam coating     Xtra-Grip foam coating       Suitable for     damp and oily areas       Colour     blue, black	
Material     polyamide, elastane, HPPE, glass, carbon       Coating     aqua-polymer foam coating on palm and fingertips       Xtra-Grip foam coating       Suitable for     damp and oily areas       Colour     blue, black	
Coating     aqua-polymer foam coating on palm and fingertips       Xtra-Grip foam coating       Suitable for     damp and oily areas       Colour     blue, black	
Xtra-Grip foam coating       Suitable for     damp and oily areas       Colour     blue, black	
Suitable for     damp and oily areas       Colour     blue, black	
Colour blue, black	
Sizes 6 to 12	
Order quantity multiples 10 PR	



## Mechanical Risks Area of application: cut protection







#### uvex athletic B XP

- very high cut protection (Level B)
  good grip on dry and (slightly)
- oily/damp workpieces • very good mechanical abrasion resistance
- reinforced thumb joints
- bio-based HPPE (DSM)
- high flexibility, very good fit
- very good tactile feel
- suitable for industrial washing
   certified according to OEKO-TEX®
   Standard 100 (S02-0648 HOHEN STEIN HTTI)

The uvex athletic series is known for its excellent wearer comfort.

Matt, breathable and durable micro-foam coating

These gloves effectively combine thin and lightweight materials with a special matt, finely textured and breathable micro-foam coating and a slim fit.

The slim fit make the glove feel like a second skin. Together with the elasticated liner, which contains elastane, the product provides outstanding wearer comfort, enabling fatigue-free work throughout the day.

	uvex athletic B XP
Art. no.	60036
Design	knitted cuff
Standard	EN 388 (4 X 4 4 B)
Material	bio-based HPPE (DSM), glas, polyamide, elastane
Coating	palm and fingertips coated,
	micro NBR foam coating
Suitable for	dry and slightly damp/
	oily working conditions
Colour	grey, anthracite
Sizes	6 to 12
Order quantity multiples	10 PR



## **Mechanical Risks** Area of application: cut protection





#### uvex athletic C XP

- very high cut protection (Level C) • good grip on dry and (slightly)
- oily/damp workpieces very good mechanical abrasion
- resistance
- reinforced thumb joints
- high flexibility, very good fit
- very good tactile feel
- suitable for industrial washing
- certified according to OEKO-TEX® Standard 100 (S02-0648 HOHEN-STEIN HTTI)

#### uvex athletic D5 XP

- very high cut protection (Level D) good grip on dry and (slightly) oily/damp workpieces
- very good mechanical abrasion
- resistance • reinforced thumb joints

Art. no.

- high flexibility, very good fit
- very good tactile feel
- suitable for industrial washing certified according to OEKO-TEX® Standard 100 (S02-0648 HOHEN-STEIN HTTI)

	uvex athletic C XP
Art. no.	60037
Design	knitted cuff
Standard	EN 388 (4 X 4 3 C)
Material	HPPE, glas, polyamide, elastane
Coating	palm and fingertips coated,
	micro NBR foam coating
Suitable for	dry and slightly damp/
	oily working conditions
Colour	grey, anthracite
Sizes	6 to 12
Order quantity multiples	10 PR





EN 388:2016 È

4 X 4 3 D



uvex athletic D5 XP 60030



#### Mechanical Risks Area of application: cut protection



#### uvex unidur 6641

- PU cut 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 Perfor-
- mance PE fibre
- very good tactile feel
- highly flexible
- outstanding comfort

43428

HPPE fibres

resistance

bres

#### uvex unidur 6648 · uvex unidur 6649

· PU cut protection glove with

outstanding mechanical abrasion

good grip in damp and oily areas

· good cut protection with HPPE fi-

- good tactile feel • highly flexible
  - good wearer comfort

uvex unidur 6641 60210 knitted cuff EN 388 (4 3 4 3 B) HPPE, elastane Standard palm and fingertips with polyurethane coating Suitable for Colour dry areas and slightly damp areas

	uvex unidur 6648	uvex unidur 6649
Art. no.	60932	60516
Design	knitted cuff	knitted cuff
Standard	EN 388 (4 3 4 2 B)	
Material	HPPE, elastane	HPPE, polyamide, elastane
Coating	palm and fingertips with polyurethane coating	
Suitable for	dry areas and slightly damp areas	
Colour	white, black	mottled blue, grey
Sizes	6 to 11	7 to 11
Order quantity multiples	10 PR	10 PR



white, grey 6 to 11

10 PR



Art. no.

Design

Material Coating

Sizes

Order quantity multiples

## Mechanical Risks

Area of application: cut protection



#### uvex unidur 6643

- · NBR cut protection safety glove with highquality Special Cut Performance PE fibre
- outstanding mechanical abrasion resistance with NBR coating
- · good grip in damp and oily areas
- · good cut protection due to high-quality Special Cut Performance PE fibre • good tactile feel
- highly flexible
- good wearer comfort

#### uvex unidur 6659 foam

- cut protection glove with NBR foam coating and HPPE/glass fibre
- outstanding mechanical abrasion resistance with NBR coating

60938

6 to 11

10 PR

knitted cuff

uvex unidur 6659 foam

dry areas and slightly damp areas

EN 388 (4 X 4 4 C) HPPE, glass, polyamide palm and fingertips with nitrile foam coating

mottled grey, black

- · good grip in dry and slightly damp areas · high level of cut protection with HPPE and
- glass fibre combination
- very good tactile feel
- highly flexible

Art. no.

Design

Standard

Material

Coating

Colour

Sizes

Suitable for

Order quantity multiples

outstanding comfort

#### uvex unidur sleeve C · uvex unidur sleeve C TL

- very high cut protection (Cut Level C)
- very thin and flexible
- high comfort
- velcro fastening for a custom fit
- 60974: thumb loop (TL) for added safety
- (protection against cuts on the wrist)
- certified according to OEKO-TEX® Standard 100 (S02-0648 HOHENSTEIN HTTI)

	uvex unidur sleeve C	uvex unidur sleeve C TL
Art. no.	60973	60974
Design	Lower arm protection	Lower arm protection
	with velcro fastening	with velcro fastening
		with thumb loop
	46 cm (size M), 50 cm	(size L)
Standard	EN 388 (2 X 4 X C)	
Material	HPPE, glass, polyamide	
Coating	without coating	
Suitable for	for dry areas	
Colour	mottled grey	mottled grey
Sizes	M, L	M, L
Order unit	PC	PC









## uvex glove expert

Consultation and product expertise from a single source

#### The uvex Glove Navigator

The fast route to finding the right gloves for you The uvex Glove Navigator guides you through the entire uvex safety glove range



https://www.uvex-safety.com/en/ products/schutzhandschuhberater/

#### uvex Chemical Expert System:

Online chemicals database and glove plans As a manufacturer, we offer you access to our extensive online chemicals database. In just a few steps, you can access information about the resistance of our safety gloves when handling chemicals.

#### Register for free and get access to the following premium features:

- Full access to the test results of all listed chemicals
- Creation and management of your own permeation lists
- Use of the glove plan designer: Access the glove plans created by our experts.
- · Creation and management of your own glove plans



https://www.uvex-safety.com.sg/en/productassistants/safety-gloves-uvex-chemicalexpert-system/

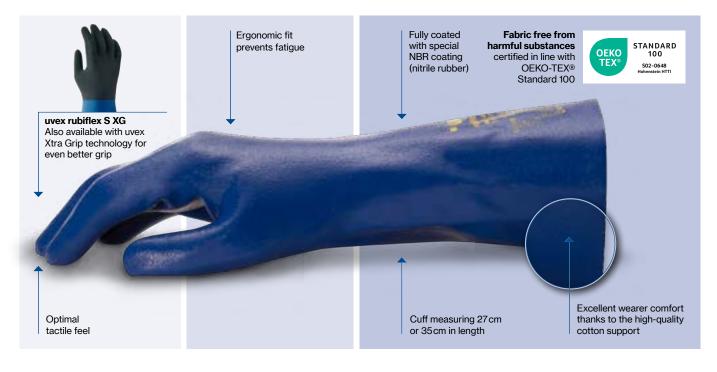


## Chemical Risks Selecting the right hand protection

Chemical protection gloves must be used in a wide variety of areas of application while still enabling wearers to complete tasks effectively. This is why uvex very pays close attention to the requirements placed on the product in the possible areas of application when developing new chemical protection gloves. The matrix shown will help you choose the most suitable material for chemical protection gloves:

Handling chemicals	Example industries	Potential contact/splash	Irregular contact	Permanent contact	Explosion-prone area
aliphatic (grease, mineral oil)	Cleaning agents petroleum industry Adhesives Paint production	Nitrile	Nitrile	Nitrile	uvex rubiflex ESD
Polar	Cleaner/universal thinner Loctite/industrial adhesive Coating industry Printing industry Raw materials in the chemical industry Intermediates in the chemical industry	Nitrile Chloroprene	Nitrile Chloroprene	Butyl	uvex profabutyl
polar (alcohols)	Disinfectant, raw materials in the chemical industry	Nitrile Chloroprene	Nitrile Chloroprene	Nitrile Chloroprene Butyl	uvex rubiflex ESD, uvex profabutyl
aromatic, halogenated	Solvents for paints, resins, oils etc. Adhesives Printing and coating industry	Nitrile	Nitrile	Viton	
aqueous solutions, diluted acids/ bases	water treatment (sewage plant) commercial cleaning	Nitrile Chloroprene	Nitrile Chloroprene	Nitrile Chloroprene Chloroprene/nitrile	uvex rubiflex ESD
concentrated acids/bases	electroplating surface treatment of aluminium (anodised), steel, raw materials in the chemical industry, fertiliser production, food industry/raw materials in the polymer industry	Nitrile Chloroprene	Nitrile Chloroprene	Nitrile Chloroprene Chloroprene/nitrile Butyl	uvex profabutyl

# uvex rubiflex S – Put them on and feel great.



#### **Precise working**

The uvex rubiflex S fits perfectly on the hand. Its ergonomic design guarantees an optimal fit.

#### No fatigue

The ergonomic shape of the uvex rubiflex S saves the wearer effort and increases wearer acceptance.

#### Active protection for the skin

The cotton lining absorbs four times more moisture than synthetic fibres (polyamide/polyester), ensuring that the wearer's skin stays dry and the gloves feel comfortable and natural to wear.

## The uvex rubiflex S series offers a unique combination of:

#### Comfort

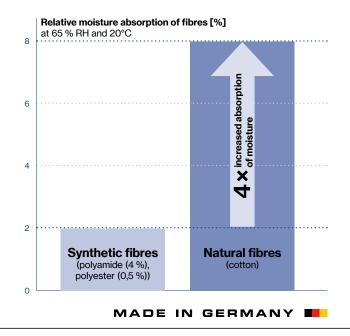
Every single model in the uvex rubiflex range stands for ergonomic fit and excellent wearer comfort thanks to the high level of moisture absorption offered by the cotton lining, which helps to prevent moisture build-up inside the glove.

#### Safety

The supported safety glove provides effective protection when working with substances such as greases, mineral oils and a wide range of chemicals. The uvex rubiflex S XG with innovative Xtra Grip coating ensures excellent grip. In this way, tools and machines can be operated safely at all times.

#### Sustainability

The rubiflex safety gloves are manufactured at the uvex site in Lüneburg – producing high-quality occupational health and safety "Made in Germany".



### **Chemical Risks** Safety gloves with cotton support: NBR coating



XG Grip coating, approx. 0.40 mm

very good resistance to grease,

mineral oils and many chemicals

blue, black

7 to 11

10 PR

	uvex rubiflex S NB27B	uvex rubiflex S NB35B
Art. no.	60271	60224
Design	gauntlet, approx. 27 cm	gauntlet, approx. 35 cm
Standard	EN 388 (2111X)	EN 388 (2111X), ISO 18889 (G2)
	EN ISO 374-1:2016/Type A (J K N C	D P T), EN 407 (X 1 X X X X)
Material	cotton interlock	cotton interlock
Coating	fully coated with special NBR	fully coated with special NBR
	coating (nitrile rubber),	coating (nitrile rubber),
	approx. 0.40 mm	approx. 0.40 mm
Suitable for	good resistance to grease,	good resistance to grease,
	mineral oils and many chemicals	mineral oils and many chemicals
Colour	blue	blue
Sizes	7 to 11	6 to 11
Order quantity multiples	10 PR	10 PR



## **Chemical Risks**

Safety gloves with cotton support: NBR coating





#### uvex rubiflex S

- NBR chemical protection glove with reinforced cotton interlock supporting material
- good mechanical abrasion resistance thanks to the NBR coating
- · good resistance to many chemicals, acids, alkalis, mineral oils and solvents
- good heat insulation with reinforced supporting material
- good tactile feel
- ergonomic fit
- outstanding wearer comfort due to the high-quality cotton
- interlock supporting material
- highly flexible
- certified according to OEKO-TEX® Standard 100 (S02-0648 HOHEN-STEIN HTTI)
- Ň JKÕPT 2121X X1XXXX MADE IN GERMANY uvex rubiflex S (long version)

₫

- long NBR chemical protection glove with reinforced cotton interlock supporting material
- additional elastic collar at gauntlet end (NB60SZ/NB80SZ)
- good mechanical abrasion resistance thanks to the NBR
- coating · good resistance to many
- chemicals, acids, alkalis, mineral oils and solvents
- good tactile feel

\$\$\$

- ergonomic fit
- outstanding wearer comfort due to the high-quality cotton interlock supporting material
- highly flexible

 certified according to OEKO-TEX® Standard 100 (S02-0648 HOHEN-STEIN HTTI)

uvex rubiflex S	NB27S	NB35S	NB40S
Art. no.	89646	98891	98902
Design	gauntlet,	gauntlet,	gauntlet,
	approx. 27 cm	approx. 35 cm	approx. 40 cm
Standard	EN 388 (2121X), EN IS	SO 374-1:2016 / Type A (	JKNOPT),
	EN 407 (X 1 X X X X)		
Material	cotton interlock,	cotton interlock,	cotton interlock,
	reinforced	reinforced	reinforced
Coating	fully coated with NBR	fully coated with NBR	fully coated with NBR
	special coating	special coating	special coating
	(nitrile rubber),	(nitrile rubber),	(nitrile rubber),
	approx. 0.50 mm	approx. 0.50 mm	approx. 0.50 mm
Suitable for	very good resistance to	grease, mineral oils and	many chemicals
Colour	green	green	green
Sizes	8 to 11	8 to 11	8 to 11
Order quantity multiples	10 PR	10 PR	10 PR

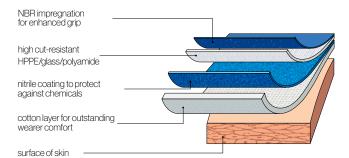
uvex rubiflex S NB60S NB80S NB60SZ NB80SZ Art. no. 89647 60190 89651 60191 Design elastic collar at gauntlet, gauntlet elastic collar at approx. 60 cm approx. 80 cm gauntlet end, gauntlet end, approx. 60 cm approx. 80 cm EN 388 (2 1 2 1 X), EN ISO 374-1:2016/Type B (J K O P T), Standard EN 407 (X 1 X X X X) Material cotton interlock, cotton interlock, cotton interlock, cotton interlock, reinforced reinforced reinforced reinforced fully coated with special NBR coating (nitrile rubber), approx. 0.50 mm Coating Suitable for very good resistance to grease, mineral oils and many chemicals Colour green green green green Sizes 9 to 11 9 to 11 9 to 11 9 to 11 Order quantity multiples 10 PR 10 PR 10 PR 10 PR

## Chemical Risks

Area of application: cut protection



60536



ENISO 374-12016/Type A EN 388:2016

#### uvex protector chemical

- very robust safety glove with multi-layer technology combining impermeability and optimal cut protection
- very high level of cut protection with the multi-layer design of the supporting material made from cotton, HPPE and glass

 good grip in damp, wet and oily areas

- uvex protector chemical also offers protection against chemicals
   good wearer comfort
- standard 100 (S02-0648 HOHEN-STEIN HTTI)

	uvex protector chemical NK2725B	uvex protector chemical NK4025B
Art. no.	60535	60536
Design	gauntlet, approx. 27 cm	gauntlet, approx. 40 cm
Standard	EN 388 (4 X 4 4 C),	EN 388 (4 X 4 4 C),
	EN ISO 374-1:2016/	EN ISO 374-1:2016/
	Type A (J K N O P T)	Type A (J K N O P T)
Material	sandwich liner: cotton interlock, HPPE, glass, PA	
Coating	fully coated with special NBR coating (nitrile rubber)	
Suitable for	good resistance to oil, grease and many chemicals	
Colour	blue	blue
Sizes	9 to 10	9 to 10
Order quantity multiples	10 PR	10 PR

245

## **Chemical Risks**

Safety gloves with cotton support: conductive NBR coating

# The ideal solution for areas with explosive atmospheres

The introduction of the new standard EN 16350:2014 (Protective gloves – electrostatic properties) is the first standard to prescribe the electrostatic properties and testing procedure of safety gloves for work environments with risk of explosive atmospheres and fire.

- The testing conditions and minimum requirements in accordance with EN 16350:2014 are as follows:
- The contact resistance must be less than  $1.0 \times 10^8 \Omega$  (R<sub>V</sub> <1.0 × 10<sup>8</sup>  $\Omega$ ).
- Contact resistance R<sub>v</sub> was tested in accordance with EN 1149-2:1997.
- Test atmosphere: ambient temperature 23°C ±1°C, relative air humidity 25% ±5%.

uvex rubiflex ESD fulfils the requirements of the new norm EN 16350:2014.

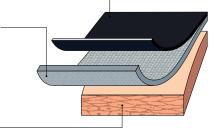


#### Functional combination of liner and coating

conductive NBR coating \_\_\_\_\_\_

for high wearer comfort and excellent conductivity

surface of skin





#### uvex rubiflex ESD

- lightweight, stockinette and antistatic NBR chemical protection glove for applications in areas with explosion risks
- good mechanical abrasion resistance thanks to the NBR coating
- good grip in damp and wet areas
  good resistance to grease,
- mineral oils and many chemicals
- outstanding tactile feel
- ergonomic fit
- outstanding wearer comfort due to the high-quality cotton interlock/carbon supporting material
- extremely high flexibility
- certified according to OEKO-TEX® Standard 100 (S02-0648 HOHEN-STEIN HTTI)

uvex rubiflex ESD	NB27A	NB35A
Art. no.	60880	60954
Design	gauntlet, approx. 27 cm	gauntlet, approx. 35 cm
Standard	EN 388 (2111X), EN ISO 374-1:20	16 / Type A (J K N O P T),
	EN 16350, EN 407 (X 1 X X X X)	
Material	cotton interlock/carbon	cotton interlock/carbon
Coating	fully coated with special conductive NBR coating (nitrile rubber),	
	approx. 0.40 mm	
Suitable for	good resistance to grease, mineral	oils and many chemicals
Colour	black	black
Sizes	6 to 11	6 to 11
Order quantity multiples	10 PR	10 PR



### Chemical Risks Unsupported safety gloves





#### uvex profabutyl

- chemical protection glove without stockinette made from butyl rubber
   good grip in damp and wet areas
- good resistance to polar bonds such as esters, ketones, aldehydes, amines and saturated saline solutions, plus acids and alkalis
- good fit
- highly flexible
- satisfies the requirements of DIN EN 16350:2014



#### uvex profaviton

- chemical protection gloves made from butyl rubber with  $\mathsf{Viton}^{\$}$  outer layer
- good grip in damp and wet areas
- good resistance to aliphatic and aromatic hydrocarbons (e.g. hexane, benzene, toluene, xylene and others), halogenated hydrocarbons (e.g. trichloroethylene, perchloroethylene, dichloromethane and others) organic and inorganic acids (diluted to concentrated), as well as saturated saline solutions
- good fit
- highly flexible

	uvex profabutyl B-05R
Art. no.	60949
Design	gauntlet, rolled edge, approx. 35 cm
Standard	EN 388 (2 0 1 0 X), EN 374 (A B I K L N O T), EN 16350
Material	without stockinette
Coating	seamlessly coated with bromobutyl (approx. 0.50 mm)
Suitable for	good resistance to polar bonds acids and alkalis
Colour	black
Sizes	7 to 11
Order unit	PR

	uvex profaviton BV-06
Art. no.	60957
Design	gauntlet, rolled edge, approx. 35 cm
Standard	EN 388 (2 1 2 0 A), EN ISO 374-1:2016/Type A (A F K L M N)
Material	without stockinette
Coating	seamlessly coated with bromobutyl (approx. 0.40 mm)
	and Viton <sup>®</sup> outer layer (approx. 0.20 mm)
Suitable for	good resistance to aliphatic and aromatic hydrocarbons,
	halogenated hydrocarbons
Colour	black
Sizes	8 to 11
Order unit	PR

## **Chemical Risks**

Safety gloves with bamboo-fiber/nylon support: NBR coating



	uvex u-chem 3300
Art. no.	60971
Design	cuff, fully coated, approx. 32 cm
Standard	EN 388 (2121X), EN ISO 374-1:2016
	Type A (J K L O P T)
Material	Bamboo-rayon/Nylon (seamless)
Coating	NBR (nitrile butadiene rubber),
	approx. 0.21 mm
Suitable for	good resistance to grease,
	mineral oils and many chemicals
Colour	blue
Sizes	7 to 11
Order quantity multiples	10 PR

	uvex u-chem 3100
Art. no.	60968
Design	cuff, fully coated, aproxx. 30 cm
Standard	EN 388 (4 1 2 1 X), EN ISO 374-1:2016 /
	Type A (A J K L M O)
Material	cotton (seamless)
Coating	NBR (nitrile butadiene rubber),
	approx. 0.50 mm
Suitable for	good resistance to grease,
	mineral oils and many chemicals
Colour	black
Sizes	8 to 11
Order quantity multiples	10 PR

	uvex u-chem 3500
Art. no.	60188
Design	cuff, fully coated, approx. 32cm
Standard	EN ISO 374-1:2016 /
	Typ A (A C J K L M N O P S T),
	EN ISO 374-5:2016 VIRUS,
	EN 388 (3121X), EN 407 (X1XXX)
Material	cotton (seamless)
Coating	fully coated with Chloroprene
	and NBR (nitrile butadiene rubber),
	approx. 0.40 mm
Suitable for	good resistance to acetone,
	cleaning agents, adhesives, solvents
Colour	orange
Sizes	7 to 11
Order quantity multiples	10 PR



#### **Chemical Risks** Unsupported safety gloves



#### uvex profastrong

- 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
- highly flexible
- uvex profapren flexible chloroprene chemical
- protection glove with flocked cotton good grip in damp and wet areas
- thanks to the Grip structure in the palm
- good resistance to many chemicals and solvents
- · good tactile feel
- very good fit
- highly flexible

uvex profastrong NF33 Art. no. 60122 gauntlet, palm with grip structure, approx. 33 cm EN 388 (4 1 0 1 X), EN ISO 374-1:2016/Type A (A J K L O T), EN ISO 374-5:2016 VIRUS Design Standard Material flocked cotton Coating fully coated with NBR (nitrile rubber), approx. 0.38 mm Suitable for good resistance to oils, grease, acids and solvents Colour green 7 to 11 Sizes Order quantity multiples 12 PR

	uvex profapren CF33
Art. no.	60119
Design	gauntlet, roughened palm, approx. 33 cm
Standard	EN 388 (3 1 3 1 X), EN ISO 374-1:2016/Type A (A K L M N O),
	EN ISO 374-5:2016
Material	flocked cotton
Coating	fully coated with polychloroprene (latex inner), approx. 0.71 mm
Suitable for	good resistance to many chemicals
Colour	dark blue
Sizes	7 to 10
Order quantity multiples	10 PR



## **Chemical Risks**

#### Disposable safety gloves

The uvex u-fit product range, provides high-quality disposable safety gloves, which guarantee a high level of safety and functionality.

uvex u-fit gloves ensures reliable wearer protection throughout industry, including the chemical, medical, food and light industry sectors enabling comfortable and precise work.

uvex disposable safety gloves are available in four different materials to cater for a wide range of application areas:

uvex u-fit lite uvex u-fit uvex u-fit ft uvex u-fit strong N2000

	uvex u-fit lite	uvex u-fit	uvex u-fit ft	uvex u-fit strong N2000
Material	accelerator-free NBR (nitrile rubber)	NBR (nitrile rubber)	NBR (nitrile rubber)	NBR (nitrile rubber)
	wall thickness 0.06 mm	wall thickness 0.10 mm	wall thickness 0.10 mm	wall thickness 0.20 mm
Certification	EN ISO 374	EN ISO 374	EN ISO 374	EN ISO 374
	EN 455	EN 455	EN 455	EN 455
	handling foodstuffs	handling foodstuffs	handling foodstuffs	handling foodstuffs
	compliance with MDR (EU) 2017/745	-	compliance with MDR (EU) 2017/745	-
Characteristics	high level of sensitivity	good mechanical abrasion resistance	good mechanical abrasion resistance	very good abrasion resistance
	hypo-allergenic	good chemical resistance	good chemical resistance	increased chemical resistance
Handling	reinforced rolled edge – easy to put on			





Please contact us if you require a copy of our complete resistance list.

Detailed information can also be found in the uvex Chemical Expert System online at https://ces.uvex.de

tion	uvex u-fit lite	uvex u-fit	uvex u-fit ft	uvex u-fit strong N2000
edical examinations and to prevent een users and patients	+ +	-	+ +	-
nbly work, dry/oily	+ +	+	+	-
, dry/oily	+	+	+	++
tion	++	++	++	+
l de la construcción de la constru	+	+	+	++
	++	++	++	+
	+	+	+	+
	short-term work, in acc. with resistance list	short-term work, in acc. with resistance list	short-term work, in acc. with resistance list	in acc. with resistance list
	as splash protection	as splash protection	as splash protection	full contact in acc. with resistance list

Area of application

Precision assem Assembly work, Product protection Gentle cleaning Inspection Food handling Chemicals Paint shop

Intended for med infections betwe



### **Chemical Risks** Disposable safety gloves





#### uvex u-fit lite

- nitrile examination and safety gloves single use (0.06 mm)
- non-sterile, can be used on both sides, powder-free
- free from natural latex
- free from allergenic accelerators.
- · good grip with the roughened fingertips
- · LABS-conformity in accordance with
- VDMA 24364 A2-L



	uvex u-fit lite
Art. no.	60168
Design	roughened fingertips, approx. 24 cm
Standard	EN ISO 374-1:2016/Type B (K P T),
	EN 374-5:2016 VIRUS
Material	without stockinette
Coating	NBR (nitrile rubber), approx. 0.06 mm
Suitable for	highly resistant to grease and oil,
	good resistance to chemicals,
	for medical examinations
	and to prevent infections
	between users and patients
Colour	indigo blue
Sizes	S to XL
Order unit	BOX
Content	box of 100 PC

uvex u-fit

approx. 24 cm

EN 374-5:2016 VIRUS

EN ISO 374-1:2016/ Type B (K P T),

without stockinette NBR (nitrile rubber), approx. 0.10 mm

highly resistant to grease and oil,

good resistance to chemicals

60167 roughened surface.

blue

S to XL BOX

box of 100 PC

IIVex II-fit ft

Art. no.

Design

Standard

Material

Colour

Sizes Order unit

Content

Coating Suitable for

#### uvex u-fit

- nitrile single-use safety gloves (0.10 mm) • non-sterile, can be used on both sides,
- powder-free
- free from natural latex
- · good grip with the roughened surface
- · LABS-conformity in accordance with VDMA 24364 A2-L



#### uvex u-fit ft

- nitrile single-use examination and safety gloves (0.10 mm)
- non-sterile, can be used on both sides, powder-free
- free from natural latex
- · good grip with the roughened fingertips
- · LABS-conformity in accordance with
- VDMA 24364 A1/A2/A3 L/W



Art. no.	60166
Design	roughened fingertips, approx. 24 cm
Standard	EN ISO 374-1:2016/ Type B (J K P T),
	EN 374-5:2016 VIRUS
Material	without stockinette
Coating	NBR (nitrile rubber), approx. 0.10 mm
Suitable for	highly resistant to grease and oil,
	good resistance to chemicals,
	for medical examinations
	and to prevent infections
	between users and patients
Colour	blue
Sizes	XS to XL
Order unit	BOX
Content	box of 100 PC



inner a

60962

60166

#### uvex u-fit strong N2000

- nitrile single-use safety gloves (0.20 mm)
- non-sterile, can be used on both sides,
- powder-free
- free from natural latex
- good grip with the roughened fingertips · LABS-conformity in accordance with



	uvex u-fit strong N2000
Art. no.	60962
Design	textured surface of fingertips, approx. 28 cm
Standard	EN ISO 374-1:2016/Type A (J K L O P S T),
	EN 374-5:2016 VIRUS
Material	no lining
Coating	NBR (nitrile butadiene rubber), approx. 0.20 mm
Suitable for	highly resistant to grease and oil,
	increased resistance to chemicals
Colour	blue
Sizes	S to XXL
Order unit	BOX
Content	box of 50 PC

## Hex/Armor

## Cut resistance: Comparison between EN 388-2016 and ANSI/ISEA 105-2016

When comparing the cut resistance of two or more fabrics, it is important to make sure that for all materials:

- The same test method was used
- The same type of cut tester was used

Unless these points are met, you cannot accurately compare the results.

**Cut resistance levels:** The use of the TDM-100 test method is required by both ANSI/ISEA 105 and by EN 388 (for high-cut materials). However, the ANSI/ISEA standard reports results in grams on an A1-A9 scale (200-6000 grams/2-60 Newtons). While the A1-A9 scale is comparable to the EN 388 A-F levels which reports up to 30 Newtons (200-3000 grams/2-30 Newtons), ANSI/ISEA extends their scale by three levels to 6000 grams/60 Newtons to report high cut materials more accurately.



									High cut
Level	A1	A2	A3	A4	A5	A6	A7	A8	A9
Weight(G)needed to cut with 1" (20mm) blade travel	≥ 200 G	≥ 500G	<u>&gt;</u> 1000G	≥ 1500 G	≥2200 G	≥ 3000 G	≥ 4000 G	≥ 5000 G	≥ 6000 G

## **Puncture & Needle Testing Explained**

#### The ANSI/ISEA 105 Test

In February of 2016, the ANSI/ISEA 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.



#### EN 388: Industrial Puncture Resistance (Non-Hypodermic Needlestick Puncture)

The EN 388 probe 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 4 times for every palm sample
- The lowest score is reported



#### 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



## Impact protection

Back-of-hand bones and soft tissues are extremely vulnerable to impact-related hand injuries among a wide range of job sites. This U.S.-based impact performance standard will help safety professionals make better-informed decisions about glove selection – ultimately keeping more people safe on the job.

#### Impact protection: ANSI/ISEA 138

The ISEA 138 standard establishes the minimum performance, classification, and labeling requirements for gloves that are designed to protect the knuckles and fingers from impacts based on three performance levels.

**How the test works:** To score gloves into their appropriate level, impact protection testing under ISEA 138 requires consistent, regulated tests on each kind of glove on two areas for impact performance: knuckles and fingers/thumb. On both gloves, knuckles are tested four times and fingers/thumb are tested five times.

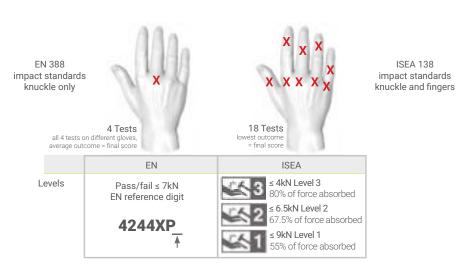
To start, one pair of gloves is required per test. The gloves are cut in half and the back-of-hand (where the impact protection is located) is placed on an anvil. A striker with a force of 5 Joules is dropped on the required back-of-hand locations, and the amount of force transferred through the glove back-of-hand is recorded with a force gauge that is connected below the anvil and measured in kiloNewtons (kN). **Scoring:** The average of eight knuckle tests are compared to the average of the ten finger tests. The highest average of the two is the impact testing score.

- **Performance Level 1** Results in an average peak transmitted force of less than or equal to 9 kN.
  - 55% of force absorbed
- Performance Level 2 Results in an average peak transmitted force of less than 6.5 kN.
  - 67.5% of force absorbed
- **Performance Level 3** Results in an average peak transmitted force of less than 4 kN.
  - 80% of force absorbed

The chart showcases the ISEA 138 performance levels, with "Performance Level 3" being the highest. Any impact-resistant PPE that scores higher than a 9 kN force transfer will not qualify for a ranking and will fail. With no impact material, the machine registers around 20kN, so in order to pass the test, the impact material must register less than 9kN, reducing the force or energy transferred by 55%. The anvil will drop roughly around 5 ½ pounds from 8 inches.

#### Impact protection: EN 388

The European industrial glove market includes impact testing performance ratings in EN 388, which tests the impact on just the knuckles, and the tests are given a basic score of pass or fail. To pass the test, the transmitted force needs to be less than or equal to 7 kN with no single results greater than 9 kN.



## Hex/Armor

## **Impact Series**



Article No.	60662
Standard	EN 388: 2016 (4 X 4 2 D P)
Colour	yellow/black
Sizes	6/XS through 12/3XL
Order quantity multiples	1 PR

Standard

Order quantity multiples

Colour

Sizes

EN 388: 2016 (4 X 4 3 D P)

6/XS through 12/3XL

Green/black

1 PR

Standard

Colour

Sizes

Order quantity multiples

Standard

Colour

Sizes

Order quantity multiples

EN 407 (X 1 X X X X)

7/S through 11/XXL

black/black

1 PR

EN 407 (X 1 X X X X) red/yellow/black/grey

6/XS through 12/3XL

1 PR

254

# Safety Gloves

Art. no.	Art. code	Sizes	Colour	Page
60027	uvex athletic lite	6 to 12	blue, anthracite	212
60028	uvex athletic allround	6 to 11	grey, anthracite	211
60030	uvex athletic D5 XP	6 to 12	grey, anthracite	237
60033	uvex athletic lite dry	6 to 12	blue, anthracite	212
60036	uvex athletic B XP	6 to 12	grey, anthracite	236
60037	uvex athletic C XP	6 to 12	grey, anthracite	237
60038	uvex phynomic airLite A ESD	5 to 12	black	207
60040	uvex phynomic lite	5 to 12	grey, grey	210
60041	uvex phynomic lite w	5 to 12	white, white	210
60048	uvex phynomic C XG ESD	6 to 12	light blue	235
60049	uvex phynomic allround	5 to 12	grey, black	207
60050	uvex phynomic foam	5 to 12	white, grey	207
60054	uvex phynomic x-foam HV	6 to 12	orange, grey	208
60060	uvex phynomic wet	6 to 12	blue, anthracite	208
60061	uvex phynomic wet plus	6 to 12	blue, anthracite	208
60062	uvex phynomic pro	6 to 12	blue, anthracite	209
60064	uvex phynomic pro 2	5 to 12	blue, anthracite	209
50004 50070	uvex phynomic XG planet	5 to 12	black, black	205
60080	uvex phynomic B foam	6 to 12	sky blue	233
60081	uvex phynomic C5	6 to 12	blue, grey	234
60090	uvex BambooTwinflex®	6 to 12	green, black	204
60119	uvex profapren CF33	7 to 10	dark blue	249
60122	uvex profastrong NF33	7 to 10	green	249
60135	uvex unigrip 6620	7 to 10	white, blue	245
60147	uvex profi ergo ENB20A	6 to 11	white, orange	213
60148	uvex profi ergo ENB20A	6 to 10	white, orange	218
60150	uvex contact ergo	6 to 10	white, orange	210
60179	uvex k-basic extra 6658		yellow	251
60166	uvex u-fit ft	8, 10, 12 XS to XL	blue	251
60167	uvex u-fit	S to XL	blue	251
60168	uvex u-fit lite	S to XL	indigo blue	220
60188	uvex u-chem 3500	7 to 11	orange	248
60190	uvex rubiflex S NB80S	9 to 11	green	244
60191	uvex rubiflex S NB80SZ	9 to 11	green	244
60202	uvex NK4022	9 to 10	orange	220
60208	uvex profi ergo XG20	6 to 11	white, orange, black	217
60210	uvex unidur 6641	6 to 11	white, grey	238
60213	uvex NK2722	9 to 10	orange	220
60224	uvex rubiflex S NB35B	7 to 11	blue	243
60238	uvex unigrip 6624	7 to 10	grey, red	215
60248	uvex unipur 6639	6 to 11	black, black	214
60271	uvex rubiflex S NB27B	7 to 11	blue	243
60276	uvex rubipor XS2001	6 to 10	white, white	211
60278	uvex unilite 7710F			219
60314	uvex unidur 6643	7 to 10	mottled grey, black	239
60316	uvex rubipor XS5001B	6 to 10	white, blue	211
60321	uvex unipur 6634	7 to 10	grey, black	213
6047900	uvex glove clip	-	black	210

60491         uvex C500 sleeve           60492         uvex C500 wet           60494         uvex C500 foam           60496         uvex C500 wet plus           60497         uvex C500           60498         uvex C500 M foam           60499         uvex C500 dry           60516         uvex unidur 6649           60535         uvex protector chemical NK2725B           60536         uvex protector chemical NK4025B	M, L 7 to 11 7 to 11	lime lime, anthracite lime, anthracite lime, anthracite lime	229 230 230 229
60494         uvex C500 foam           60496         uvex C500 wet plus           60497         uvex C500           60498         uvex C500 M foam           60499         uvex C500 dry           60516         uvex unidur 6649           60535         uvex protector chemical NK2725B	7 to 11 7 to 11 7 to 11 7 to 11 7 to 11 7 to 11	lime, anthracite lime, anthracite lime	230
60496uvex C500 wet plus60497uvex C50060498uvex C500 M foam60499uvex C500 dry60516uvex unidur 664960535uvex protector chemical NK2725B	7 to 11 7 to 11 7 to 11 7 to 11 7 to 11	lime, anthracite lime	
60497         uvex C500           60498         uvex C500 M foam           60499         uvex C500 dry           60516         uvex unidur 6649           60535         uvex protector chemical NK2725B	7 to 11 7 to 11 7 to 11	lime	229
60498uvex C500 M foam60499uvex C500 dry60516uvex unidur 664960535uvex protector chemical NK2725B	7 to 11 7 to 11		-20
60499uvex C500 dry60516uvex unidur 664960535uvex protector chemical NK2725B	7 to 11		229
60516uvex unidur 664960535uvex protector chemical NK2725B		lime, black, anthracite	228
60535 uvex protector chemical NK2725B	7 to 11	lime, anthracite	230
•	7 10 11	mottled grey, grey	238
60536 uvex protector chemical NK4025B	9 to 10	blue	245
	9 to 10	blue	245
60542 uvex C300 wet	7 to 11	anthracite	231
60544 uvex C300 foam	7 to 11	anthracite	231
60549 uvex C300 dry	7 to 11	anthracite	231
60556 uvex unipur carbon	6 to 10	grey	215
60557 uvex rubiflex S XG35B	7 to 11	blue, black	243
60558 uvex profi ergo XG20A	6 to 11	white, orange, black	217
60560 uvex rubiflex S XG27B	7 to 11	blue, black	243
60573 uvex unilite 6605	6 to 11	black, black	213
60585 uvex unilite 7700	7 to 11	grey, black	213
60587 uvex unipur carbon FT	6 to 10	grey	215
60591 uvex unilite thermo plus cut C	7 to 11	lime, black	221
60592 uvex unilite thermo plus	7 to 11	black	221
60593 uvex unilite thermo	7 to 11	black	221
60595 uvex profatherm XB40	11	white	220
60600 uvex C500 XG	7 to 11	lime, anthracite	229
60604 uvex D500 foam	7 to 11	lime, anthracite	228
60838 uvex arc protect g1	7 to 11	anthracite	222
60840 uvex power protect V1000	7 to 11	red	222
60932 uvex unidur 6648	6 to 11	white, black	238
60938 uvex unidur 6659 foam	6 to 11	mottled grey, black	239
60943 uvex unipur 6630	6 to 11	white	214
60944 uvex unipur 6631	6 to 11	grey	214
60945 uvex compact NB27H	10	white, blue	219
60946 uvex compact NB27E	9 to 10	white, blue	219
60949 uvex profabutyl B-05R	7 to 11	black	247
60954 uvex rubiflex ESD NB35A	6 to 11	black	246
60957 uvex profaviton BV-06	8 to 11	black	247
60962 uvex u-strong N2000	S to XXL	blue	251
60968 uvex u-chem 3100	8 to 11	black	248
60971 uvex u-chem 3300	7 to 11	blue	248
60973 uvex unidur sleeve C	M, L	mottled grey	239
60974 uvex unidur sleeve C TL	M, L	mottled grey	239
89636 uvex rubiflex NB27	7 to 11	orange	219
89646 uvex rubiflex S NB27S	8 to 11	green	244
89647 uvex rubiflex S NB60S	9 to 11	green	244
89651 uvex rubiflex S NB60SZ	9 to 11	green	244
98891 uvex rubiflex S NB35S	8 to 11	green	244
98902 uvex rubiflex S NB40S	8 to 11	green	244

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# Safety Gloves

## Hex/Armor

Art. no.	Art. code	Sizes	Colour	Page
60662	Helix® 3000	6 to 12	yellow/black	254
60663	Helix® 3001	6 to 12	yellow/black	254
60665	Helix® 3003	7 to 10	black/black	254
60666	Helix® 3007	6 to 12	red/yellow/black/grey	254