uvex safety gloves 2017

protecting people
Innovative safety gloves “Made in Germany”
Manufacturing and technology expertise

uvex centre of expertise for safety gloves in Lüneburg, Germany

Development expertise, state-of-the-art robot-controlled manufacturing technology and stringent quality control ensure the first-class quality of our safety gloves. By manufacturing in Germany, uvex pursues efficient, resource-preserving production processes and ensures that the path from manufacturer to end user is as short as possible.

Development/production

Fully integrated development processes across all stages:
• 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)

State-of-the-art production:
• 100% solvent-free manufacturing
• sustainable use of resources

Innovation

• Use of high quality natural and functional fibres
  – good skin compatibility
  – high wearer acceptance

• Tested products, free from harmful substances
  – uvex pure Standard (very good skin compatibility, dermatologically tested)
  – Certified in accordance with Oeko-Tex® Standard 100 (e.g. product class II)
Extensive know-how is part of our service
Service expertise

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.

Consultation / training / application technology
- on-site consultation from uvex product specialists
- practical hand protection seminars
- 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
- Chemical Expert System (CES)
- designer glove plan
- online product data sheets
- online user instructions
- online declaration of conformity

For further information, please visit: www.uvex-safety.com.au
The uvex phynomic lite is the lightest safety glove in its class. Its extremely flexible and breathable aqua-polymer-waterproofing is exceptionally durable and offers high levels of dexterity for a second skin fit – ideally suited for use in fine assembly work, for example. Its excellent ergonomic characteristics are evident in an RI value of 4.43.

* test conducted by the Hohenstein Institute

force
- Test method: Flexural rigidity measurement*
- Test result: Bending angle = 24° (IV 4.7)
- High degree of flexibility, prevents the onset of fatigue
The relief index is calculated from the mean value of the three index values (IV) for force, weight and temperature (clima) – ranging from 0 (= poor) to 5 (= perfect).

**force** 4.7

**clima** 3.9

**weight** 4.7

- Measurement method: Surface weight measurement of the inner glove surface
- Test result: Palm Weight Index = 21 mg/cm² (IV 4.7)
- Optimum dexterity, high wearer acceptance

**clima**

- Test method: Measurement of resistance to water vapour
- Test result: $R_{w}$ value = 13.5 m² Pa/W (IV 3.9)
- Reduces perspiration for increased wearer comfort
WICHTIGER HINWEIS


Tätigkeit: Reinigen
Gefährdung mechanisch keine Materialnummer 60596
Gefährdung chemisch Spritzerkontakt
Umgebungsbedingungen trocken / feucht Hersteller uvex
Tragedauer kurz Farbe blau
Bemerkung Bitte beachten Sie die Permeationslisten beim Umgang mit Chemikalien!

Hinweis
uvex u-fit

Tätigkeit: Umgang mit Chemikalien
2111
JKL
Gefährdung mechanisch keine Materialnummer 60271
Gefährdung chemisch Vollkontakt
Umgebungsbedingungen trocken / feucht / nass Hersteller uvex
Tragedauer siehe Permeationsliste Farbe blau
Bemerkung Bitte beachten Sie die Permeationslisten beim Umgang mit Chemikalien!

Hinweis
uvex rubiflex S NB27B

Tätigkeit: Reinigen
Gefährdung mechanisch keine Materialnummer 60597
Gefährdung chemisch Spritzerkontakt
Umgebungsbedingungen trocken / feucht Hersteller uvex
Tragedauer kurz Farbe Indigo blau
Bemerkung Bitte beachten Sie die Permeationslisten beim Umgang mit Chemikalien!

Hinweis
uvex u-fit lite

uvex Chemical Expert System
Chemicals database and glove plans online

As a leader of innovation, we place the highest demands on the products and services. The uvex Chemical Expert System (CES) has been developed by experts for experts. This online tool supports you in the comprehensive analysis and optimisation of safety glove solutions for your business.

Online chemicals database for safety gloves
The uvex Chemical Expert System (CES) offers an extensive chemicals database for selecting the appropriate safety gloves for working with hazardous substances. As a user, you can create a personal permeation list or receive advice from our specialists. It only takes a few clicks to discover the right chemical protection safety gloves for your specific requirements.

Glove plan designer
The glove plan designer in the uvex Chemical Expert System makes it quick and easy to create glove plans to ensure high safety standards in your business. Following completion of the registration process, you can either adapt existing glove plans devised by our specialists or design your own. The system helps you create a complete glove plan in a few simple steps and the high degree of customisation presents a diverse range of possibilities.

Advantages of the uvex Chemical Expert System:
• extensive database of tested chemicals
• individual creation of a permeation list
• easy selection of chemical protection safety gloves
• personal account with premium functions
• self-explanatory creation and management of glove plans
• high degree of glove plan customisation
• available in a variety of languages
uvex – advice and product expertise from a single source.

https://ces.uvex.de
Safety Gloves
Mechanical Risks / Chemical Risks

Precision work
12 – 14
uvex phynomic range
uvex unipur range
uvex unilite range

Impact protection
23
uvex impact range

All-round
14 – 15
uvex profi ergo range
uvex unilite range

Safety gloves with cotton support
28 – 30
uvex rubiflex S XG
uvex u-chem 3100
uvex rubiflex S
uvex rubiflex SZ

Heavy duty
14 & 26
uvex rubiflex
uvex rubiflex S XG

Safety gloves without cotton support
30 – 31
Nitrile – uvex profastrong
Butyl – uvex profabutyl
Butyl/Viton® – uvex profaviton

Cut protection
17 – 23
uvex unidur range
uvex C300 range
uvex phynomic C5

Disposable safety gloves
34 – 35
uvex u-fit strong
uvex u-fit
uvex u-fit lite
1. Perfect fit

Precision all the way to the fingertips due to revolutionary 3D ergo technology.

Up to eight precisely coordinated sizes guarantee an ergonomic solution in all models for any wearer.

- The uvex glove that fits like a second skin.
- Natural touch.
- Maximum flexibility.

![Share in %](image)

2. Optimum functionality

Perfectly fit for purpose due to revolutionary aquapolymer coating, no matter whether in dry, damp or wet/oily environments.

3. Skin safe – product safe

Enhanced skin care and product protection through the uvex ‘pure’ standard.

**Health protection:**
- no skin irritation
- dermatologically approved*
- certified in accordance with Oeko-Tex® 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

* 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).
uvex phynomic

Perfection in 3 dimensions
The uvex Glove Navigator
The fast way to find the right safety gloves

There are many factors which must be taken into consideration when selecting the appropriate safety gloves. To help you make the right choice, uvex has developed clear guidelines that include helpful symbols for selecting safety gloves for specific areas of application.

1. Identify and classify risk potential

What is the main risk for users in the workplace?
The symbols provide initial guidance to help you choose the right category for the appropriate safety gloves.

2. Determine individual requirements of the safety gloves

What activities will primarily be carried out at the workplace in question?
Will the nature of the work require precision, entail interchangeable all-round activities or place high demands on the wearer and the safety gloves?

3. Define the application environment

Identify the general conditions of the workplace.
Will activities be carried out in wet/oily, damp or dry working conditions? All of our safety gloves come with one of these 3 environment classification recommendations. The degree of suitability is determined by the aggregate of workplace conditions.

Safety gloves meet the high uvex pure standard. Gloves do not contain substances that are hazardous to health, free from solvents and accelerators, optimum product protection.

Safety gloves are developed and manufactured in Germany.

Gloves demonstrate good skin tolerability during dermatological tests. The glove was clinically tested by the proDERM Institute for Applied Dermatological Research (Hamburg, Germany) / (proDERM study: 11.0356-02, 11.0482-11, 13.0202-02, 15.0188-02, 15.0219-11).

Safety gloves approved for applications with industrial monitors with touchscreens.
### Mechanical Risks

**Area of application: precision/all-round**

<table>
<thead>
<tr>
<th><strong>Precision</strong></th>
<th><strong>All-round</strong></th>
<th><strong>Heavy duty</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Activities where a high level of sensitivity is necessary.</td>
<td>General, multiple activities for which robust, stable safety gloves are required.</td>
<td>Tough activities requiring highly robust, abrasion resistant safety gloves.</td>
</tr>
<tr>
<td>Examples: fine assembly work, working with small parts (e.g. screws), operating controls, end inspection.</td>
<td>Examples: servicing, transport work, light metal processing, standard assembly work, maintenance.</td>
<td>Examples: heavy transport work (e.g. palette transport), construction, servicing.</td>
</tr>
</tbody>
</table>

#### Working Areas

<table>
<thead>
<tr>
<th><strong>Dry</strong></th>
<th><strong>Light moisture / oily</strong></th>
<th><strong>Wet / oily</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>uvex phynomic lite</td>
<td>uvex unipur range</td>
<td>uvex phynomic allround</td>
</tr>
<tr>
<td>uvex phynomic lite</td>
<td>uvex unipur range</td>
<td>uvex phynomic XG</td>
</tr>
<tr>
<td>uvex phynomic lite</td>
<td>uvex unipur range</td>
<td>uvex phynomic XG</td>
</tr>
</tbody>
</table>

- **Dry**
  - 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.

- **Light moisture / oily**
  - 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.

- **Wet / oily**
  - 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).
Mechanical Risks
Area of application: precision/all-round

**uvex phynomic lite**
- the most lightweight safety glove in its class reduces the onset of fatigue
- 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

Areas of application:
- precision assembly work
- precision work
- inspection
- sorting

**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

Areas of application:
- maintenance
- assembly
- precision work
- transport/packaging work
- repair work

**uvex phynomic XG**
- 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
- high level of breathability with the porous foam coating
- very good tactile feel when assembling (oily) parts

Areas of application:
- precision work
- assembly
- maintenance
- repair work
- metal processing
- concrete/construction work

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<table>
<thead>
<tr>
<th>Part no.</th>
<th>uvex phynomic lite</th>
<th>uvex phynomic allround</th>
<th>uvex phynomic XG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design</td>
<td>knitted cuff</td>
<td>knitted cuff</td>
<td>knitted cuff</td>
</tr>
<tr>
<td>Standard</td>
<td>EN 388 (3 1 2 1)</td>
<td>EN 388 (3 1 3 1)</td>
<td>EN 388 (4 1 3 1)</td>
</tr>
<tr>
<td>Material</td>
<td>polyamide, elastane</td>
<td>polyamide, elastane</td>
<td>polyamide, elastane</td>
</tr>
<tr>
<td>Coating</td>
<td>palm and fingertips with aqua-polymer impregnation</td>
<td>palm and fingertips with aqua-polymer foam coating</td>
<td>aqua-polymer xtra grip foam coating on palm and fingertips</td>
</tr>
<tr>
<td>Suitable for</td>
<td>dry and slightly damp areas</td>
<td>dry and slightly damp areas</td>
<td>damp and drying conditions</td>
</tr>
<tr>
<td>Colour</td>
<td>grey, grey</td>
<td>grey, black</td>
<td>black/black</td>
</tr>
<tr>
<td>Sizes</td>
<td>7 to 11</td>
<td>7 to 11</td>
<td>6 to 11</td>
</tr>
</tbody>
</table>
uvex unipur 6631
- light safety glove for mechanical precision work
- good mechanical abrasion resistance
- good grip in dry and slightly damp areas
- outstanding dexterity
- highly flexible

Areas of application:
- construction
- horticulture
- light and dry components assembly
- light duty maintenance work
- fine assembly work
- precision work
- small gear mechanisms

uvex unilite 6605
- 15 gauge lightweight knitted glove with NBR foam coat
- perfect for mechanical precision work requiring high levels of dexterity
- good mechanical abrasion resistance
- nylon liner provides good combination of flexibility and durability
- good grip in dry and slightly damp & oily areas

Areas of application:
- ideal for application requiring grip in greasy or oily tasks
- tasks that require dexterity and where durability of the glove is essential

uvex unilite 6607
- 15 gauge lightweight knitted glove with NBR micro-cell foam coat
- fine-knit spandex liner provides greater dexterity and durability
- “second skin” fit increases comfort for long wear
- excellent grip in extremely greasy applications due to micro cell coating technology
- good dexterity
- highly flexible

Areas of application:
- wet and greasy or oily tasks where grip is essential
- areas and tasks that require high abrasion resistance with excellent grip
- engineering and maintenance tasks where dexterity is needed

<table>
<thead>
<tr>
<th>Product</th>
<th>Part no.</th>
<th>Design</th>
<th>Standard</th>
<th>Material</th>
<th>Coating</th>
<th>Suitable for</th>
<th>Colour</th>
<th>Sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td>uvex unipur 6631</td>
<td>UP6631</td>
<td>knitted cuff</td>
<td>EN 388 (4 1 4 1)</td>
<td>polyamide</td>
<td>palm and fingertips coated with polyurethane coating</td>
<td>dry and slightly damp areas</td>
<td>grey, grey</td>
<td>6 to 11</td>
</tr>
<tr>
<td>uvex unilite 6605</td>
<td>UL6605</td>
<td>knitted cuff</td>
<td>EN 388 (4 1 2 2)</td>
<td>polyamide</td>
<td>palm and fingertips coated with nitrile foam coating</td>
<td>damp, oily or greasy areas of application</td>
<td>black, black</td>
<td>6 to 11</td>
</tr>
<tr>
<td>uvex unilite 6607</td>
<td>UL6607</td>
<td>knitted cuff</td>
<td>EN 388 (4 1 3 2)</td>
<td>polyamide</td>
<td>foam nitrile micro cell coated palm and fingertips</td>
<td>damp, oily or greasy areas of application</td>
<td>grey, black</td>
<td>6 to 11</td>
</tr>
</tbody>
</table>
uvex unilite 6610F
- 15 gauge nylon blended with lycra for flexibility and durability
- full NBR coating for increased back of hand protection good mechanical abrasion resistance
- excellent grip in dry and slightly damp to slightly oily areas

Areas of application:
- areas and tasks that require high abrasion resistance with excellent grip
- engineering and maintenance tasks where dexterity is needed

uvex unilite 7701 HV
- 13 gauge polyester liner in high visibility yellow colour
- lightweight knitted glove with double dip NBR foam sand finish coating
- good mechanical abrasion resistance with polyamide liner and coating
- good grip in dry and slightly damp areas from double NBR sand finish
- highly flexible

Areas of application:
- wet and greasy or oily tasks where grip is essential
- areas and tasks that require high abrasion resistance with excellent grip
- engineering and maintenance tasks where dexterity is needed

uvex unilite 7700
- 15 gauge nylon/spandex blended liner for fit, flexibility & durability
- long wearing safety glove for mechanical precision work
- ideal for extremely greasy and oily areas due to dual coating technology (water based PU with NBR foam)
- PU/NBR dual coating provides highest abrasion resistance for long product life
- fits like a “second skin” providing maximum dexterity

Areas of application:
- wet and greasy or oily tasks where grip is essential
- areas and tasks that require high abrasion resistance
- dexterity and durability for heavy engineering & maintenance

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<table>
<thead>
<tr>
<th>uvex unilite 6610F</th>
<th>uvex unilite 7701 HV</th>
<th>uvex unilite 7700</th>
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<tr>
<td>Part no.</td>
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<td>UL7701</td>
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<tr>
<td>Design</td>
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<tr>
<td>Standard</td>
<td>EN 388 (4 1 2 1)</td>
<td>EN 388 (4 1 2 1)</td>
</tr>
<tr>
<td>Material</td>
<td>nylon/lycra</td>
<td>polyamide</td>
</tr>
<tr>
<td>Coating</td>
<td>Fully coated front and back with nitrile foam coating</td>
<td>palm and fingertips coated with nitrile foam coating</td>
</tr>
<tr>
<td>Suitable for</td>
<td>dry and slightly damp oily working conditions</td>
<td>dry and slightly damp areas</td>
</tr>
<tr>
<td>Colour</td>
<td>black, black</td>
<td>yellow/yellow</td>
</tr>
<tr>
<td>Sizes</td>
<td>6 to 11</td>
<td>6 to 11</td>
</tr>
</tbody>
</table>
### uvex profi ergo

- **Area of application:** all-round/heavy duty
- **Features:**
  - Cotton interlock safety glove with NBR coating for universal use
  - Very good grip in damp, wet and oily areas
  - Good dexterity
  - Ergonomic fit
  - High flexibility
  - Very good wearer comfort due to perspiration absorption of the cotton lining
  - Alternative glove for people who have issues with synthetic knitted gloves (i.e. skin irritations)

### uvex profi ergo ENB20A

<table>
<thead>
<tr>
<th>Part no.</th>
<th>ENB20A</th>
<th>ENB20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design</td>
<td>Knitted cuff</td>
<td>Knitted cuff</td>
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<tr>
<td>Standard</td>
<td>EN 388 (2 1 2 1)</td>
<td>EN 388 (2 1 2 1)</td>
</tr>
<tr>
<td>Material</td>
<td>Cotton interlock</td>
<td>Cotton interlock</td>
</tr>
<tr>
<td>Coating</td>
<td>Palm and 3/4 of the back of the hand with special NBR coating (nitrile rubber)</td>
<td>Palm and whole back of the hand with special NBR coating (nitrile rubber)</td>
</tr>
<tr>
<td>Suitable for</td>
<td>Damp, oily or greasy areas of application</td>
<td>Damp, oily or greasy areas of application</td>
</tr>
<tr>
<td>Colour</td>
<td>White, orange</td>
<td>White, orange</td>
</tr>
<tr>
<td>Sizes</td>
<td>7 to 10</td>
<td>7 to 10</td>
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</tbody>
</table>

### uvex profi ergo ENB20

<table>
<thead>
<tr>
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<tbody>
<tr>
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<tr>
<td>Standard</td>
<td>EN 388 (2 1 2 1)</td>
</tr>
<tr>
<td>Material</td>
<td>Cotton interlock</td>
</tr>
<tr>
<td>Coating</td>
<td>Palm and whole back of the hand with special NBR coating (nitrile rubber)</td>
</tr>
<tr>
<td>Suitable for</td>
<td>Damp, oily or greasy areas of application</td>
</tr>
<tr>
<td>Colour</td>
<td>White, orange</td>
</tr>
<tr>
<td>Sizes</td>
<td>7 to 10</td>
</tr>
</tbody>
</table>

### uvex rubiflex

- **Area of application:** mechanical activities
- **Features:**
  - Fully coated cotton interlock safety glove
  - Very good mechanical abrasion resistance with NBR coating
  - Good dexterity
  - Ergonomic fit

### uvex rubiflex NB27

<table>
<thead>
<tr>
<th>Part no.</th>
<th>NB27</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design</td>
<td>Gauntlet, approx. 27 cm</td>
</tr>
<tr>
<td>Standard</td>
<td>EN 388 (3 1 1 1)</td>
</tr>
<tr>
<td>Material</td>
<td>Cotton interlock</td>
</tr>
<tr>
<td>Coating</td>
<td>Fully coated with special NBR coating (nitrile rubber)</td>
</tr>
<tr>
<td>Suitable for</td>
<td>Damp, oily or greasy areas of application</td>
</tr>
<tr>
<td>Colour</td>
<td>Orange</td>
</tr>
<tr>
<td>Sizes</td>
<td>7 to 11</td>
</tr>
</tbody>
</table>

### Areas of application:

- **Mechanical Risks**
  - Light/medium metal processing
  - Repairs/maintenance
  - General handyman work

- **uvex profi ergo**
  - Construction industry
  - Manufacturing
  - Refining
  - Warehousing / logistics
Mechanical Risks
Overview of cut protection

As a glove specialist, effectively protecting the hands from cut injuries is one of uvex’s most important tasks.

For many years, uvex has concentrated on this area and now possesses extensive expertise in fibre and coating technology. The focus is on the optimum balance between effective protection, functionality and comfort, thereby ensuring high wearer acceptance.

uvex has assumed a pioneering role with innovations such as the patented Bamboo-TwinFlex™ technology.

The number of safety glove manufacturers which offer cut protection gloves has been steadily rising in recent years, making product differentiation and selection more difficult.

In addition to the standard classification of cut protection levels in accordance with EN 388, the combination of cut and tear resistance is critically important. If cut protection to comply with the norm is achieved through a high proportion of glass fibres, the tear resistance of the material suffers. The workmanship of materials being used, such as glass fibres, is absolutely key with regard to comfort and wearer acceptance. Skin should only come into contact with fibres that are non-irritating.

The properties such as fit and flexibility change yet again when coatings are applied. The durability of the coating is equally important to ensure cost-efficiency.

To the right is a matrix showing the areas of application for our product range of Cut 3 and Cut 5 safety gloves.

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**Cut 3**

- **Precision**
  - uvex C300 dry

- **All-round**
  - uvex unidur 6643
  - uvex C300 wet
  - uvex C300 wet plus

- **Heavy duty**
  - uvex C500 dry
  - uvex unidur 6659
  - uvex C500 foam
  - uvex D500

**Cut 5**

- **Precision**
  - uvex C500 dry

- **All-round**
  - uvex unidur 6659
  - uvex C500 foam

- **Heavy duty**
  - uvex C500 wet
  - uvex C500 wet plus
  - uvex NK
Ultra lightweight cut protection

Safety gloves classified as level 5 are among the most commonly used cut protection products today. They are the ideal solution for many users when it comes to finding the right combination of protection, fit, flexibility and cost-efficiency.

The new uvex phynomic C5 once again raises the bar. As part of the innovative “Made in Germany” uvex phynomic range, the same aqua-polymer foam coating is applied: dermatologically tested, extremely flexible and breathable in combination with an innovative liner concept.

The liner comprises HPPE/polyamide/glass and elastane cladding.

Together with the coating, this represents the optimum combination of protection, material thickness and durability.

The glass fibres are carefully coated and positioned externally. This ensures that the skin only ever comes in contact with soft HPPE fibres, even when worn for extended periods.

The materials guarantee high Cut level 5 protection, without compromising the tear resistance.

### uvex phynomic C5

- lightweight and sensitive cut protection safety glove for mechanical activities
- very good mechanical abrasion resistance thanks to the damp-resistant aqua-polymer foam coating
- good grip in dry and slightly damp areas
- good cut protection and high tear resistance
- highly breathable coating
- outstanding tactile feel when assembling parts

### Areas of application:
- precision assembly work
- precision work
- inspection
- sorting

<table>
<thead>
<tr>
<th>uvex phynomic C5</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Part no.</td>
<td>60081</td>
</tr>
<tr>
<td>Design</td>
<td>knitted cuff</td>
</tr>
<tr>
<td>Standard</td>
<td>EN 388 (4 X 4 3 C)</td>
</tr>
<tr>
<td>Material</td>
<td>polyamide, elastane, HPPE, glass</td>
</tr>
<tr>
<td>Coating</td>
<td>aqua-polymer foam coating on palm and fingertips</td>
</tr>
<tr>
<td>Suitable for</td>
<td>dry areas and slightly damp areas</td>
</tr>
<tr>
<td>Colour</td>
<td>sky blue</td>
</tr>
<tr>
<td>Sizes</td>
<td>7 to 11</td>
</tr>
</tbody>
</table>
uvex C500 and uvex C300
The comfort class in cut protection

uvex makes compromise a thing of the past! uvex C500 and uvex C300 safety gloves set new standards in protection, comfort, flexibility, dexterity and economy. Our high-tech product concept combines all of these properties. Selecting this for your workforce will increase your staff’s willingness to wear protective gloves and help to prevent accidents; only comfortable products are worn 100% of the time and that’s what we mean by optimum cut protection.

The comfort class in cut protection by uvex.

Cut protection level 5 and 3

Bamboo TwinFlex® Technology
High-tech for more comfort

• robust and comfortable
• bamboo – environmentally sustainable raw material
• cooling effect

First-class comfort

uvex climazone
Significantly increased wearer acceptance

• reduced sweating
• high breathability
• much higher moisture absorption than other yarns

Wearer comfort and an improved microclimate are the ultimate benchmarks. In pursuit of continuous improvement, uvex climazone for hand protection is subject to on-going development, in conjunction with market leading and renowned testing and research institutes, such as the Hohenstein Institute and the Pirmasens Institute (PFI).

Individual measurement facilities such as the PFI’s Climaster, gives an insight into thermo-physiological and skin sensory wearer comfort.
Mechanical Risks
Area of application: cut protection

uvex C300

• cut protection glove with excellent wearer comfort
• outstanding mechanical abrasion resistance thanks to the innovative Soft Grip coating (uvex C300 foam, uvex C300 wet and uvex C300 wet plus)
• very good grip in dry (all models), slightly damp (uvex C300 foam), and wet (uvex C300 wet and uvex C300 wet plus) environments

• good cut protection with patented uvex Bamboo TwinFlex® technology
• highly flexible
• very good dexterity
• perfect fit with 3D Ergo technology
• silicone-free according to imprint test

Areas of application:
• automotive industry
• engineering
• aerospace
• metal industry
• maintenance
• assembly
• transport
• construction
• oil & gas

---

<table>
<thead>
<tr>
<th>uvex C300 foam</th>
<th>uvex C300 wet</th>
<th>uvex C300 wet plus</th>
<th>uvex C300 dry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part no.</td>
<td>HX60544</td>
<td>HX60542</td>
<td>HX60546</td>
</tr>
<tr>
<td>Design</td>
<td>knitted cuff</td>
<td>knitted cuff</td>
<td>knitted cuff</td>
</tr>
<tr>
<td>Standard</td>
<td>EN 388 (4 3 4 2)</td>
<td>EN 388 (4 3 4 2)</td>
<td>EN 388 (4 3 4 2)</td>
</tr>
<tr>
<td>Material</td>
<td>bamboo rayon, HPPE</td>
<td>bamboo rayon, HPPE</td>
<td>bamboo rayon, HPPE</td>
</tr>
<tr>
<td>Coating</td>
<td>glass, polyamide</td>
<td>glass, polyamide</td>
<td>glass, polyamide</td>
</tr>
<tr>
<td>Coating</td>
<td>palm and fingers with</td>
<td>palm and fingers with</td>
<td>palm and fingers with</td>
</tr>
<tr>
<td>Coating</td>
<td>high performance elastomer (HPE)</td>
<td>high performance elastomer with high performance elastomer</td>
<td>high performance vinyl</td>
</tr>
<tr>
<td>Coating</td>
<td>and Soft Grip foam coating</td>
<td>(HPE) coating</td>
<td>(HPE) coating</td>
</tr>
<tr>
<td>Suitable for</td>
<td>dry areas of application</td>
<td>damp, oily or greasy</td>
<td>damp, oily or greasy</td>
</tr>
<tr>
<td>Suitable for</td>
<td>areas of application</td>
<td>areas of application</td>
<td>areas of application</td>
</tr>
<tr>
<td>Colour</td>
<td>anthracite</td>
<td>anthracite</td>
<td>anthracite</td>
</tr>
<tr>
<td>Sizes</td>
<td>7 to 11</td>
<td>7 to 11</td>
<td>7 to 11</td>
</tr>
</tbody>
</table>

Bamboo TwinFlex® technology is a registered brand of UVEX SAFETY Gloves GmbH & Co. KG, Germany.
Mechanical Risks
Area of application: cut protection

**uvex C500**
- cut protection safety gloves and underarm protection (uvex C500 sleeve) with outstanding wearer comfort
- outstanding mechanical abrasion resistance thanks to the innovative Soft Grip coating
- very good grip
- very high level of cut protection - patented uvex Bamboo TwinFlex® technology with the uvex D500 incorporating new Diamond steel fibre technology
- highly flexible
- very good tactile feel
- perfect fit with 3D Ergo technology
- silicone-free according to imprint test

**Areas of application:**
- metal industry
- automotive
- transportation
- assembly
- glass industry
- maintenance & repair
- shipping/logistics
- brewery/beverage industry
- paper industry
- construction

---

<table>
<thead>
<tr>
<th>Part no.</th>
<th>uvex C500 foam</th>
<th>uvex C500 wet &amp; wet plus</th>
<th>uvex C500 dry</th>
<th>uvex D500</th>
<th>uvex C500 sleeve</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design</td>
<td>knitted cuff</td>
<td>knitted cuff</td>
<td>knitted cuff</td>
<td>knitted cuff</td>
<td>fastening</td>
</tr>
<tr>
<td>Standard</td>
<td>EN 388 (4 5 4 2)</td>
<td>EN 388 (4 5 4 2)</td>
<td>EN 388 (2 5 4 X)</td>
<td>EN 388 (4 X 4 2 D)</td>
<td>EN 388 (2 5 4 X)</td>
</tr>
<tr>
<td>Material</td>
<td>bamboo rayon, HPPE</td>
<td>bamboo rayon, HPPE</td>
<td>bamboo rayon, HPPE</td>
<td>bamboo rayon, HPPE</td>
<td>bamboo rayon, HPPE</td>
</tr>
<tr>
<td>Coating</td>
<td>palm and fingertips with high performance elastomer (HPE) and Soft Grip foam coating (HPE) coating. Also avail. 3/4 coat grip dots (HPE) coating.</td>
<td>palm and fingertips with high performance elastomer (HPE) and Soft Grip foam coating (HPE) coating. Also avail. 3/4 coat grip dots (HPE) coating.</td>
<td>palm and fingers with high performance vinyl (HPV)</td>
<td>high performance elastomer</td>
<td>high performance elastomer</td>
</tr>
<tr>
<td>Suitable for</td>
<td>dry areas of application</td>
<td>dry areas of application</td>
<td>dry areas of application</td>
<td>dry areas of application</td>
<td>dry areas of application</td>
</tr>
<tr>
<td>Colour</td>
<td>lime, anthracite</td>
<td>lime, anthracite</td>
<td>lime, anthracite</td>
<td>lime, anthracite</td>
<td>lime</td>
</tr>
<tr>
<td>Sizes</td>
<td>7 to 11</td>
<td>7 to 11</td>
<td>7 to 11</td>
<td>7 to 11</td>
<td>one size fits all</td>
</tr>
</tbody>
</table>

Bamboo TwinFlex® technology is a registered brand of UVEX SAFETY Gloves GmbH & Co. KG, Germany.
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 Performance PE fibre
• very good dexterity
• highly flexible
• outstanding comfort

Areas of application:
• construction industry
• maintenance
• assembly
• horticulture/agriculture

uvex unidur cable pulling glove 6613
• Fingerless at thumb, fore and index finger
• PU cut protection safety glove with high-quality Special Cut Performance PE fibre
• outstanding mechanical abrasion resistance
good grip in dry and slightly damp areas
• good cut protection due to high-quality Special Cut Performance PE fibre
• very good dexterity
• highly flexible
• outstanding comfort

Areas of application:
• electrical trades (not for voltage protection)
• building/construction works
• tasks needing cut protection and high levels of dexterity

uvex unidur UD6613
Part no.
UD6613
Design
fingerless at thumb, fore & index finger, knitted cuff
Standard
EN 388 (4 3 4 3)
Material
HPPE, elastane
Coating
palm and fingertips with polyurethane coating
Suitable for
dry areas and slightly damp areas
Colour
white, grey
Sizes
7 to 11

uvex unidur UD6641
Part no.
UD6641
Design
knitted cuff
Standard
EN 388 (4 3 4 3)
Material
HPPE, elastane
Coating
palm and fingertips with polyurethane coating
Suitable for
dry areas and slightly damp areas
Colour
white, grey
Sizes
7 to 11

uvex unidur UD6649
Part no.
UD6649
Design
knitted cuff
Standard
EN 388 (4 3 4 3)
Material
HPPE, polyamide, elastane
Coating
palm and fingertips with NBR (Nitrile Butadiene rubber) foam coating
Suitable for
dry areas and slightly damp areas
Colour
mottled grey, black
Sizes
7 to 11

* HPPE = high performance polyethylene
Mechanical Risks
Area of application: cut protection

uvex unidur 6659
• outstanding cut protection - cut level 5
• NBR Foam coated palm and fingertips for good grip and breathability
• outstanding dexterity
• flexible
• high abrasion and tear resistance
• mechanical strength

Areas of application:
• construction
• mechanical maintenance / assembly
• horticulture / agriculture
• cut protection applications that require a more flexible coating

uvex unidur 6655
• Outstanding cut protection - cut level 5
• High visibility yellow
• NBR PU coated palm and fingertips for excellent grip and breathability
• Outstanding dexterity
• Flexible
• High abrasion and tear resistance
• Mechanical strength

Areas of application:
• construction
• mechanical maintenance / assembly
• horticulture / agriculture
• cut protection applications that require a more flexible coating

<table>
<thead>
<tr>
<th>uvex unidur UD6659</th>
<th>uvex unidur UD6655 HV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part no.</td>
<td>UD6659</td>
</tr>
<tr>
<td>Design</td>
<td>knitted cuff</td>
</tr>
<tr>
<td>Standard</td>
<td>EN 388 (4 5 4 3)</td>
</tr>
<tr>
<td>Material</td>
<td>HPPE, glass, polyamide</td>
</tr>
<tr>
<td>Coating</td>
<td>palm and fingertips with NBR (nitrile butadien rubber) foam coating</td>
</tr>
<tr>
<td>Suitable for</td>
<td>dry areas and slightly damp areas</td>
</tr>
<tr>
<td>Colour</td>
<td>mottled grey / black</td>
</tr>
<tr>
<td>Sizes</td>
<td>7 to 11</td>
</tr>
<tr>
<td>Part no.</td>
<td>UD6655</td>
</tr>
<tr>
<td>Design</td>
<td>knitted cuff</td>
</tr>
<tr>
<td>Standard</td>
<td>EN 388 (4 5 4 3)</td>
</tr>
<tr>
<td>Material</td>
<td>HPPE, glass, polyamide, elastane</td>
</tr>
<tr>
<td>Coating</td>
<td>palm and fingertips NBR/PU blended coating with sand grip</td>
</tr>
<tr>
<td>Suitable for</td>
<td>dry areas and slightly damp areas</td>
</tr>
<tr>
<td>Colour</td>
<td>yellow</td>
</tr>
<tr>
<td>Sizes</td>
<td>7 to 11</td>
</tr>
</tbody>
</table>
Mechanical Risks

Area of application: cut protection / impact protection

**uvex NK2725B**
- 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
- Resistant to many chemicals
- Good wearer comfort

**Areas of application:**
- Maintenance fitters
- Process workers handling oily, sharp objects
- Process workers at risk of cut and chemical contamination

**uvex impact 1**
- Seamless cut protection glove with protectors for heavy-duty activities, especially in the oil and gas industry
- Very high level of cut protection with HPPE and glass fibre combination
- Good grip in dry and damp areas
- Good protection against shocks and impacts thanks to the extra-padded palm area
- Protectors on the back of the hand and reinforcements on the finger joints
- Good fit
- Highly flexible
- Good wearer comfort

**Areas of application:**
- Handling heavy-duty tools
- Mining
- Oil and gas industry
- Heavy construction work

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**Part no.**
- NK2725B
- 60598

**Design**
- Gauntlet, approx. 40 cm
- Knitted cuff

**Material**
- Sandwich liner: cotton interlock, HPPE, glass, PA
- HPPE, glass, nylon

**Coating**
- Fully coated with special NBR coating (nitrile butadiene rubber)
- Palm and fingertips with NBR coating (nitrile rubber) and Grip finish

**Suitable for**
- Good resistance to oil, grease and many chemicals
- Dry areas and damp, oily working conditions

**Colour**
- Blue
- Yellow, black

**Sizes**
- 9 to 10
- 7 to 10

*HPPE = high performance polyethylene*
Safety Gloves
Norms and markings

For mechanical risks

<table>
<thead>
<tr>
<th>Test</th>
<th>Abrasion resistance (in cycles)</th>
<th>Tear resistance in N</th>
<th>Penetration in N</th>
<th>Cut resistance</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>100</td>
<td>10</td>
<td>20</td>
<td>see table below</td>
</tr>
<tr>
<td>2</td>
<td>500</td>
<td>25</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>2000</td>
<td>50</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>8000</td>
<td>75</td>
<td>150</td>
<td></td>
</tr>
</tbody>
</table>

Performance levels given in numbers/letters: the higher the number/letter, the better the test results

Cut resistance

<table>
<thead>
<tr>
<th>Performance level</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Newton Value</td>
<td>≥ 2</td>
<td>≥ 5</td>
<td>≥ 10</td>
<td>≥ 15</td>
<td>≥ 22</td>
<td>≥ 30</td>
</tr>
</tbody>
</table>

For chemical risks

Permeation

Permeation is the measure of the molecular penetration of the safety glove material. The amount of time the chemical takes to penetrate is specified in a protective index according to EN 374. The actual extent of protection in the workplace may vary considerably from those given in the EN 374 index. Your uvex customer advisor will be happy to advise you!

Letter symbol | Test chemical
---|-------------------
A | Methanol
B | Acetone
C | Acetonitrile
D | Dichloromethane
E | Carbon disulphide
F | Toluene
G | Diethylamine
H | Tetrahydrofuran
I | Ethyl acetate
J | n-heptane
K | Sodium hydroxide 40%
L | Sulphuric acid 96%
M | Nitric acid 65%
N | Acetic acid 99%
O | Ammonium hydroxide 25%
P | Hydrogen peroxide 30%
S | Hydrofluoric acid 40%
T | Formaldehyde 37%

A glove is considered to be resistant to chemicals if:

Type A: Protective glove with permeation resistance of at least 30 minutes each for at least 6 test chemicals.
Type B: Protective glove with permeation resistance of at least 30 minutes each for at least 3 test chemicals.
Type C: Protective glove with permeation resistance of at least 10 minutes for at least 1 test chemical.

EN ISO 374 – Chemical risks
Chemical Risks
Selecting the right hand protection

Selecting the right safety gloves is absolutely essential when working with chemicals. Chemical protection safety gloves protect wearers from possible hazards that can cause permanent damage or even death.

As an active partner, uvex offers suitable product solutions and competent expert advice, including on-site visits. uvex’s application technicians in Lüneburg (Germany) are on hand to contribute their expertise in order to co-develop the perfect solutions for any environment. In addition, uvex’s test laboratory can create customer-specific permeation lists that are in accordance with the requirements of respective norms.

We would be glad to provide you with individual advice on workplace analysis and resistance lists.
Chemical Risks
Selecting the right hand protection

Chemical Expert System:
uvex online chemicals database

The choice and product life of chemical protection safety gloves is essentially determined by the resistance of the glove material to the chemicals being used.

As a manufacturer, uvex’s comprehensive online chemicals database offers quick and clear support. Just a few steps is all it takes to find information on the resistance of uvex safety gloves when working with particular chemicals.

Benefits at a glance:
• online database is always available (24/7)
• easy to use in many different languages
• registered users have full access to test results for all listed chemicals
• personal account with premium functions
• individual creation of permeation lists and glove plans

https://ces.uvex.de
Alongside the right protective function, wearer comfort is extremely important for safety gloves.

Chemical protection safety gloves must be used in a wide variety of areas and enable wearers to still complete tasks effectively.

For this reason, uvex pays particular attention to the demands that will be placed on products in particular areas of application in the development of new chemical protection safety gloves.

The matrix provides a clear overview of which uvex safety gloves are suitable for use in areas with chemical risks.
Effective grip – high flexibility – outstanding wearer comfort

uvex rubiflex XG

Whether it’s in sports, in technical environments or behind the wheel, a powerful grip is essential in many applications. Without it, the risk of an accident increases and energy is lost, particularly in wet or oily environments. This applies especially to safety gloves, as a weak grip leads to hand fatigue, unsteadiness at work and an increased risk of injury.

Mechanical strength
Together with the multilayer design, the advanced surface structure ensures a greater resistance time.

Use in oily and wet environments
The canal structure of the uvex Xtra grip technology gloves absorbs liquids, helping maintain a secure grip on tools and components.

The multilayer construction ensures safety and grip
Special coating improves grip
Robust nitrile coating
Cotton liner for outstanding wearer comfort
Surface of skin

uvex rubiflex S XG

- lightweight, NBR chemical protection glove with optimal grip properties
- very good mechanical abrasion resistance and good life-cycle thanks to multi-layered structure
- outstanding grip in wet and oily areas thanks to uvex Xtra Grip technology
- good resistance to grease, mineral oils and many chemicals
- very good dexterity
- ergonomic fit
- outstanding wearer comfort due to the high-quality cotton interlock supporting material
- extremely high flexibility

Areas of application:
- refining
- housekeeping (hosing) with chemicals present
- handling contaminated materials
- maintenance

<table>
<thead>
<tr>
<th>uvex rubiflex S XG27B</th>
<th>uvex rubiflex S XG35B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part no. XG27B XG35B</td>
<td></td>
</tr>
<tr>
<td>Design gauntlet, approx. 27 cm gauntlet, approx. 35 cm</td>
<td></td>
</tr>
<tr>
<td>Standard EN 388 (3 1 2 1), EN 374 (J K L) EN 388 (3 1 2 1), EN 374 (J K L)</td>
<td></td>
</tr>
<tr>
<td>Material cotton interlock cotton interlock</td>
<td></td>
</tr>
<tr>
<td>Coating fully coated with special NBR coating (nitrile rubber) and XG Grip coating, approx. 0.40 mm fully coated with special NBR coating (nitrile rubber) and XG Grip coating, approx. 0.40 mm</td>
<td></td>
</tr>
<tr>
<td>Suitable for very good resistance to grease, very good resistance to grease, mineral oils and many chemicals mineral oils and many chemicals</td>
<td></td>
</tr>
<tr>
<td>Colour blue, black blue, black</td>
<td></td>
</tr>
<tr>
<td>Sizes 7 to 11 8 to 11</td>
<td></td>
</tr>
</tbody>
</table>
uvex rubiflex S

- NBR chemical protection glove with reinforced cotton interlock support material
- good mechanical abrasion resistance thanks to the NBR coating
- good resistance to many chemicals, acids, alkalis, mineral oils and solvents
- good dexterity
- ergonomic fit

Areas of application:
- petrochemical industry
- alumina refining
- battery manufacturing

uvex rubiflex S (long version)

- long NBR chemical protection glove with reinforced cotton interlock support material
- additional elastic collar at gauntlet end (NB60SZ)
- good mechanical abrasion resistance thanks to the NBR coating
- good resistance to many chemicals, acids, alkalis, mineral oils and solvents
- good dexterity
- ergonomic fit

Areas of application:
- petrochemical industry
- alumina refining
- battery manufacturing

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**uvex rubiflex S**

- Part no.: NB40S
- Design: gauntlet, approx. 40 cm
- Standard: EN 388 (2 1 2 1) EN 374 (J K L)
- Material: cotton interlock, reinforced
- Coating: fully coated with special NBR coating (nitrile rubber), approx. 0.50 mm
- Suitable for: very good resistance to grease, mineral oils and many chemicals
- Colour: green
- Sizes: 8 to 11

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**uvex rubiflex S**

- Art. no.: 89647 89651
- Design: gauntlet, elastic collar at approx. 60 cm
- Standard: EN 388 (2 1 2 1) EN 388 (2 1 2 1)
- Material: cotton interlock, cotton interlock, reinforced
- Coating: fully coated with special NBR coating (nitrile rubber), approx. 0.50 mm
- Suitable for: very good resistance to grease, mineral oils and many chemicals
- Colour: green green
- Sizes: 9 to 11 9 to 11

---

**uvex rubiflex S**

- Part no.: NB60S NB60SZ
- Design: gauntlet, approx. 40 cm
- Standard: EN 388 (2 1 2 1) EN 374 (J K L)
- Material: cotton interlock, cotton interlock, reinforced
- Coating: fully coated with special NBR coating (nitrile rubber), approx. 0.50 mm
- Suitable for: very good resistance to grease, mineral oils and many chemicals
- Colour: green green
- Sizes: 8 to 11 9 to 11
# Chemical Risks
Safety gloves with flocked cotton liner: NBR

## uvex profastrong
- Multi-use nitrile chemical glove
- Resistant to large range of alkalis and acids
- Ideal for general janitorial applications
- Good dexterity
- Good grip
- Excellent anatomical hand form for excellent comfort
- Cotton flocked lined
- Length approx. 33 cm

### Areas of application:
- Water treatment
- Janitorial/cleaning
- Engineering/maintenance
- Refining
- Construction/trades

### uvex profastrong NF33
- **Part no.** NF33
- **Design** gauntlet, palm with grip structure, approx. 33 cm
- **Standard** EN 388 (4 1 0 1), EN 374 (A J K L)
- **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
- **Sizes** 7 to 10

## uvex u-chem 3100
- Supported nitrile chemical glove
- Resistant to large range of alkalis and acids
- Sand grip palm providing outstanding grip in wet & oily environments
- Good dexterity
- Excellent anatomical hand form for excellent comfort
- Cotton flocked lined

### Areas of application:
- Water treatment
- Janitorial/cleaning
- Engineering/maintenance
- Refining
- Construction/trades

### uvex u-chem 3100
- **Part no.** 60968
- **Design** gauntlet, palm with sand grip
- **Standard** EN 388 (4 1 2 1), EN 374 (A J K L)
- **Material** seamless cotton
- **Coating** coated with NBR (nitrile rubber)
- **Suitable for** good resistance to oils, grease, acids and solvents
- **Colour** black
- **Sizes** 8 to 10
**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

**Areas of application:**
- chemical industry

---

**uvex profaviton**

- chemical protection gloves made from butyl rubber with 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

**Areas of application:**
- chemical industry

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**uvex profabutyl B-05R**

- Part No. 60949
- Design gauntlet, rolled edge, approx. 35 cm
- Standard EN 388 (2 0 1 0), EN 374 (A B I K)
- 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

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**uvex profaviton BV-06**

- Part No. 60957
- Design gauntlet, rolled edge, approx. 35 cm
- Standard EN 388 (3 1 1 1), EN 374 (A K L)
- Material without stockinette
- Coating seamlessly coated with bromobutyl (approx. 0.40 mm) and Viton® outer layer (approx. 0.20 mm)
- Suitable for good resistance to aliphatic and aromatic hydrocarbons, halogenated hydrocarbons
- Colour black
- Sizes 8 to 11

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VITON® is a registered trademark of E.I. du Pont de Nemours and Company.
Suitability grades for safety gloves in the food industry

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.

The following overview shows which uvex products are suited for working with food and lists potential areas of application.

Further information including testing specifications is available on request.

<table>
<thead>
<tr>
<th>Area of application</th>
<th>Aqueous pH &gt; 4.5</th>
<th>Acidic pH &lt; 4.5</th>
<th>Alcoholic</th>
<th>Fatty</th>
<th>Dry, non fatty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Examples</td>
<td>Non-alcoholic beverages Fruit Eggs Vegetables Crustaceans</td>
<td>Vinegar Yeast Milk Yoghurt</td>
<td>Wine Spirits Liqueurs</td>
<td>R1 = olive oil R2 = butter, margarine R3 = fish, cheese, baked goods R4 = meat, poultry R5 = sandwiches fried food</td>
<td></td>
</tr>
<tr>
<td>uvex profastrong NF 33</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES (R2 – R5)</td>
<td>YES</td>
</tr>
<tr>
<td>uvex u-fit</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES (R3 – R5)</td>
<td>YES</td>
</tr>
<tr>
<td>uvex u-fit lite</td>
<td>YES</td>
<td>NO</td>
<td>YES</td>
<td>YES (R3 – R5)</td>
<td>YES</td>
</tr>
</tbody>
</table>
## Chemical Risks

### Disposable safety gloves

<table>
<thead>
<tr>
<th>Material</th>
<th>uvex u-fit lite</th>
<th>uvex u-fit</th>
<th>uvex u-fit strong</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material</td>
<td>accelerator-free NBR (nitrile rubber)</td>
<td>NBR (nitrile rubber)</td>
<td>chloroprene</td>
</tr>
<tr>
<td>Material</td>
<td>wall thickness 0.08 mm</td>
<td>wall thickness 0.10 mm</td>
<td>wall thickness 0.21 mm</td>
</tr>
<tr>
<td>Material</td>
<td>silicone-free</td>
<td>silicone-free</td>
<td>silicone-free</td>
</tr>
<tr>
<td>Material</td>
<td>powder-free</td>
<td>powder-free</td>
<td>powder-free</td>
</tr>
<tr>
<td>Material</td>
<td>no latex proteins</td>
<td>no latex proteins</td>
<td>no latex proteins</td>
</tr>
<tr>
<td>Certification</td>
<td>EN 374</td>
<td>EN 374</td>
<td>EN 374</td>
</tr>
<tr>
<td>Characteristics</td>
<td>handling foodstuffs</td>
<td>handling foodstuffs</td>
<td>–</td>
</tr>
<tr>
<td>Characteristics</td>
<td>very good abrasion resistance</td>
<td>Good chemical resistance (splashproof)</td>
<td></td>
</tr>
<tr>
<td>Characteristics</td>
<td>good grip</td>
<td>good grip</td>
<td>optimal fit, long gauntlet</td>
</tr>
<tr>
<td>Handling</td>
<td>reinforced rolled edge – easy to put on</td>
<td>reinforced rolled edge – easy to put on</td>
<td>very elastic material – easy to put on</td>
</tr>
</tbody>
</table>

### Area of application

<table>
<thead>
<tr>
<th>Area of application</th>
<th>uvex u-fit lite</th>
<th>uvex u-fit</th>
<th>uvex u-fit strong</th>
</tr>
</thead>
<tbody>
<tr>
<td>Precision assembly work, dry/oily</td>
<td>+ +</td>
<td>+</td>
<td>–</td>
</tr>
<tr>
<td>Assembly work, dry/oily</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Product protection</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Gentle cleaning</td>
<td>+</td>
<td>+</td>
<td>++</td>
</tr>
<tr>
<td>Inspection</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Food</td>
<td>+</td>
<td>+</td>
<td>–</td>
</tr>
<tr>
<td>Chemicals</td>
<td>short-term work, in acc. with resistance list</td>
<td>short-term work, in acc. with resistance list</td>
<td>in acc. with resistance list</td>
</tr>
<tr>
<td>Paint shop</td>
<td>as splash protection</td>
<td>as splash protection</td>
<td>full contact in acc. with resistance list</td>
</tr>
</tbody>
</table>

### Solvents

- Aqueous saline solutions
- Alkalis
- Solids
- Acids (highly concentrated)
- Acids (less concentrated)

Mark: ■ Resistant ■ Limited resistance

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
Chemical Risks
Disposable safety gloves

Reliable chemical protection

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

uvex u-fit gloves offer reliable protection in many industry sectors, including the chemical, medical and food industries and in production, enabling comfortable and precise work. uvex disposable safety gloves are available in three different materials to cater for this wide range of application areas:

- **uvex u-fit lite**
- **uvex u-fit**
- **uvex u-fit strong**

The uvex **u-fit lite** is very thin and free from all potential allergenic vulcanisation accelerators.

Chloroprene makes the uvex **u-fit strong** model particularly flexible, while its wall thickness makes it adequate as a chemical protection glove in accordance with EN 374. The accuracy of fit and elasticity makes it comparable with natural latex, but without the potential to cause allergies.

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**uvex u-fit strong**

- reinforced and highly elastic disposable glove made from chloroprene (0.21 mm)
- adequate chemical protection certification as per EN 374
- good mechanical resistance
- outstanding dexterity
- extremely high flexibility due to the malleable material
- very good fit

**Areas of application:**

- applications requiring high dexterity with low risk chemical exposure
- mechanical maintenance tasks (grease & oil)
- underglove in maintenance & service applications

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**uvex u-fit strong**

- Part No. 60953
- Design roughened fingertips, approx. 29 cm
- Standard EN 374 (A KL)
- Material chloroprene
- Suitable for good resistance to many chemicals
- Colour green
- Sizes XS to XL
- Contents box of 50
Chemical Risks
Disposable safety gloves

**uvex u-fit lite**
- very light and thin NBR disposable glove (0.08 mm)
- good grip with the roughened fingertips
- good mechanical resistance
- reliable spray protection when handling chemicals such as acids, alkalis, solids or aqueous saline solutions
- silicone-free according to imprint test
- outstanding dexterity
- very good fit
- extremely high flexibility
- accelerator-free

**Areas of application:**
- applications requiring high dexterity with low risk chemical exposure
- mechanical maintenance tasks (grease & oil)
- underglove in maintenance & service applications
- food processing

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**uvex u-fit**
- thin and reliable NBR disposable glove (0.10 mm)
- good grip with the roughened surface
- very good abrasion resistance
- reliable spray protection when handling chemicals such as acids, alkalis, solids or aqueous saline solutions
- silicone-free according to imprint test
- outstanding dexterity
- very good fit
- extremely high flexibility

**Areas of application:**
- applications requiring high dexterity with low risk chemical exposure
- mechanical maintenance tasks (grease & oil)
- underglove in maintenance & service applications
- food processing

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**uvex u-fit lite**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>60597</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design</td>
<td>roughened fingertips, approx. 24 cm</td>
</tr>
<tr>
<td>Standard</td>
<td>EN 374, EN 455</td>
</tr>
<tr>
<td>Material</td>
<td>NBR (nitrile rubber), approx. 0.08 mm</td>
</tr>
<tr>
<td>Suitable for</td>
<td>highly resistant to grease and oil</td>
</tr>
<tr>
<td>Colour</td>
<td>indigo blue</td>
</tr>
<tr>
<td>Sizes</td>
<td>S to XL</td>
</tr>
<tr>
<td>Contents</td>
<td>box of 100</td>
</tr>
</tbody>
</table>

**uvex u-fit**

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<tr>
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<th>60596</th>
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<td>blue</td>
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