Safety Gloves

Manufacturing and technological expertise

Innovative hand protection solutions German quality

Injuries to the hand are one of the most common accidents occurring in the workplace. In addition to the consequences for the injured employee, considerable costs arise for the company through the loss of work time. uvex's innovative glove solutions guarantee exceptional safety and cost-efficiency for every work environment. Maximum protection and outstanding wearer comfort are prerequisites for ensuring high acceptance of our products with the end user.

As a company offering expertise and manufacturing competency, it is a key requirement that we find exactly the right solution for each workplace. The uvex safety group has its centre of expertise for safety gloves in Lüneburg (Germany). Production at the Lüneburg facility ensures the highest technical standards and short delivery times from manufacturer to user.

We combine modern manufacturing processes, design and development, in-house sewing and a laboratory with extensive testing and application technology – for us, quality means giving you more than just a perfect product.

Providing practical solutions is uvex's speciality and here flexibility is our strength, because our standard range will not always offer the perfect solution.

The risk analysis forms the basis of our assessment. In the first stage, our safety gloves specialists work with you to analyse the specific requirements of your workplace and the safety products that have been used previously.

In this process, you benefit directly from our centre of expertise for safety gloves in Lüneburg, with which our specialists work closely.

Health and quality – guaranteed and certified

The consistent high quality of our safety gloves is guarantee by the careful selection of raw materials, the latest robotic systems engineering and stringent production controls. We are of course also committed to continuous development and modification to meet safety requirements. The use of high-quality, natural and functional fibres that are well tolerated by the skin are prerequisites for wellbeing. Gloves can only provide protection if they are worn.

Certified safety.
For you and your employees.

Everything that comes into contact with skin has to satisfy the specified requirements and this is why all our safety gloves are certified according to stringent testing criteria, for example, Product Class II of the Oeko-Tex® Standard 100.

The high demands we place on the purity of our products is underlined by entirely solvent-free production. Allergies are an extremely important issue.

As a manufacturer, we focus our expertise on the prevention of occupational allergies caused by wearing safety gloves.

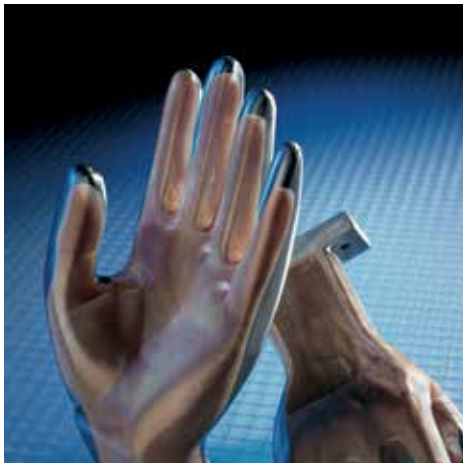
The uvex pure standard has been clinically investigated to enable us to offer products that when used as intended, demonstrate a very good skin tolerability during dermatological testing.

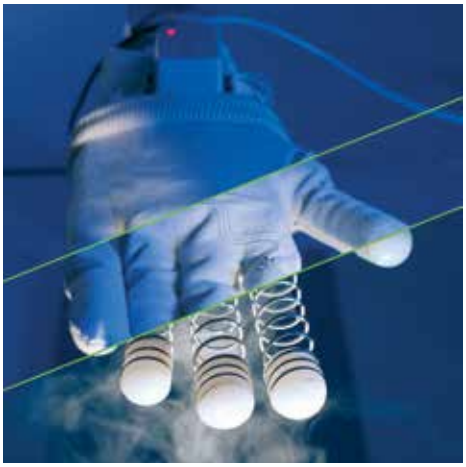
TOP 100
top innovator 2013

Institute for Applied Dermatological Research
proDERM
dermatologically approved
Prof. K.-P. Wilhelm

CONFIDENCE IN TEXTILES
Tested for harmful substances
according to Oeko-Tex Standard 100
No. 502-0648 Hohenstein

MADE IN GERMANY





Centre of expertise

Hand protection made in Germany

Production/ logistics centre/ Made in Germany

- Highly flexible, modern manufacturing cells
- Focus on coating technology
- Storage facility for standard products and special solutions

What this means for you:

- Direct communication with the manufacturing facilities
- Quick processing of orders
- Straightforward, uncomplicated service
- Flexible implementation of special solutions is possible

Advantages for you:

- One-stop, tailored protection solutions
- Highest quality standards
- Reliability
- Short delivery times
- Reduction in your storage costs

Research/ development centre

- Fully integrated development process across all process stages
- Development laboratory (coating technology, compounding)
- Technical centre for manufacture of prototypes
- Knitting laboratory
- In-house sewing facility

What this means for you:

Development of solutions tailored towards individual clients
Modification of existing products:
- technically (e.g. insulation lining)
- visually (e.g. different colours, special marking)
- bespoke manufacture (disability gloves)
- new developments

Advantages for you:

- Optimal solutions for every workplace requirement
- Products with the highest levels of wearer acceptance
- Solutions for all departments at optimal cost

Measurement/ application technology

- Test laboratory for standard tests in accordance with EN 388
- Chemistry laboratory for client-specific permeation tests in accordance with EN 374
- Laboratory for special tests (anti-static, grip measurement, climate tester)
- Detailed specifications on materials with regard to allergenic substances

What this means for you:

- Supporting client-specific workplace analysis through "hard" measurement values
- Quick preliminary checking of client-specific new developments

Advantages for you:

- "Tested", contaminant-free products
- Fast turnaround times for special requests
- On-site support from product specialists and applications engineers

Cooperation/ training centre

- Hand protection seminars in cooperation with the uvex academy
- Cooperation with medical research institutes, occupational medicine institutes, etc.
- Factory and laboratory tours for working groups from the fields of science and industry
- Membership of the Bundesverband Handschutz e.V. (German association for hand protection) and active cooperation with numerous working groups

What this means for you:

- Cooperation on all issues connected with hand protection
- Access to a network of hand protection specialists

Advantages for you:

- Opportunities for further training
- Input on specialist topics
- Possibilities for cooperation

uvex academy

Centre of excellence

uvex academy

First class know-how for greater safety in the workplace

Using professional delivery systems, the uvex academy offers programs which are application-based and supported by extensive use of best practice concerning personal protective equipment (PPE) and industrial health and safety standards for all businesses.

uvex academy services:

- Mobile “academy in a briefcase” comes to your site
- Training in the correct selection, use and maintenance of:
  - Protective eyewear
  - Hearing protection
  - Hand protection
- Workplace risk analysis and assessment
- Access to independent third-party expert advice
- Testing and demonstration services

“First class training and ongoing reinforcement have been key foundations for my successful career.”

Anna Meares - Two-time Olympic Gold Medallist

Named TOP Innovator 2013

Profas (from 1 November 2013: UVEX SAFETY Gloves GmbH & Co. KG) was named "Innovator of the year" in this year's nationwide TOP 100 corporate benchmarking competition of German companies. In the overall ranking, Profas took the top spot in category B for companies with 51 to 250 employees.

TOP 100 discovers and promotes small and medium-sized enterprises with outstanding innovative capabilities. The search is carried out by innovation experts at the Vienna University of Economics and Business. To be given the award, the company had to undergo a strict two-stage procedure using key aspects of innovation management to evaluate the innovative strength of candidates. Overall, more than 300 companies participated in TOP 100 this year.


TOP 100
The most innovative medium-sized businesses

PROFAS GmbH & Co. KG

INNOVATOR OF THE YEAR 2013

A project coordinated by the Institute for Entrepreneurship and Innovation at the Vienna University of Economics and Business Administration was launched to find Germany's most innovative small and medium-sized enterprises. As a result of this survey, the quality of the innovation management practised by the above-mentioned enterprise was rated 'outstanding'. In addition, the company has been elected by the TOP 100 jury *Innovator of the year.*

PROFESSOR DR NIKOLAUS FRANKE
Institute for Entrepreneurship and Innovation
Vienna University of Economics and
Business Administration

July 2013

RANGA YOGESHWAR
Patron of TOP 100

"When something is a true innovation, the customer experiences the benefits first hand, in their everyday work."

F. Keller and P. Buschmann, Managing Directors

UVEX SAFETY Gloves GmbH & Co. KG has developed into one of the leading and most innovative manufacturers of safety gloves in the world.

The innovative strength also impressed the TOP 100 jury. Professor Dr. Arnold Weissman, member of the TOP 100 jury, comments: “From its location in Germany, PROFAS GmbH & Co. KG has established a leading international position and the company is the ‘hidden champion’ of the safety gloves industry. In this market environment, PROFAS GmbH & Co. KG has successfully brought quality considerations to the fore with well-structured innovation processes, many product innovations and intelligent innovation marketing. As a result, it has been able to convince customers of the value that ‘Made in Germany’ offers.”

The victory in the TOP 100 innovation competition confirms that our “Made in Germany” innovations even pass the test in front of a highly-qualified jury.

Ranga Yogeshwar presented the “Top innovator of 2013” award and TOP 100 quality seal to the management of UVEX SAFETY Gloves GmbH & Co. KG.

“Every new product starts with one person‘s inspiring idea.”

uvex i-performance

Next Level Equipment

uvex phynomic XG

Newly defining performance

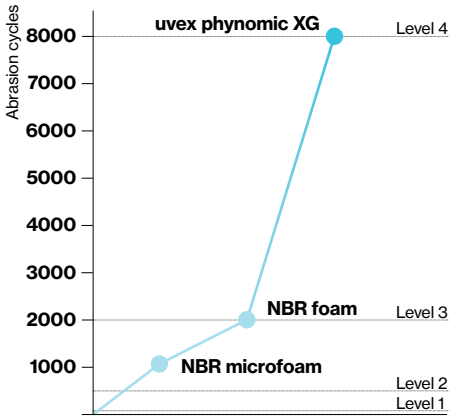
Best oil grip in its class and precision all the way to the fingertips.

The uvex phynomic XG combines perfect fit, optimum functionality and absolute purity. The innovative Xtra Grip aqua-polymer foam coating sets new standards for a secure grip when handling slightly oily work pieces. Whilst being extremely durable and abrasion-resistant, the uvex phynomic XG stands out due to its lightweight and flexibility.

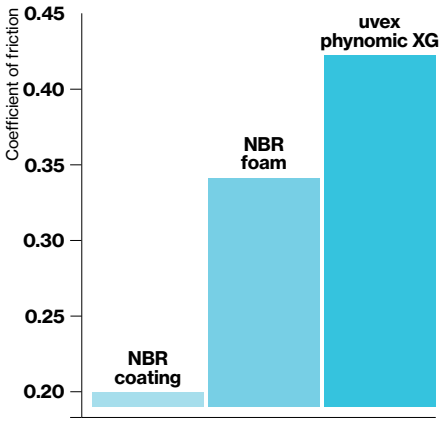
The ergonomic design means the gloves fit like a second skin and are perfectly suited to fine assembly and precision work. The uvex pure standard guarantees top, dermatologically tested skin compatibility.

The perfect solution for all workplaces requiring dexterity right to the fingertips and a secure grip in oily conditions.

The uvex i-performance product system supports the natural movement of the human body, reducing pressure and stress while also maximising comfort. Constant product development is carried out on the basis of the latest physiological research and technology, thereby ensuring maximum performance with quantifiable product benefits.



Outstanding durability and cost-efficiency.
The abrasion resistance of this coating is four to eight times higher than of comparable products, as measured based on similar abrasion tests as required for EN 388, showing that the uvex phynomic XG is particularly durable. Even after 8,000 abrasion cycles, there was no evidence of the coating coming away from the basic glove material. The outstanding durability and cost-efficiency of these gloves are guaranteed.



Safety and secure grip in oily conditions
When handling slightly oily work pieces, the uvex phynomic XG offers the best grip in its class, which means less effort is required and safety is increased.

Institute for Applied Dermatological Research
proDERM
dermatologically approved
Prof. K.-P. Wilhelm

pure standard

Xtra Grip

MADE IN GERMANY

uvex Xtra Grip Technology

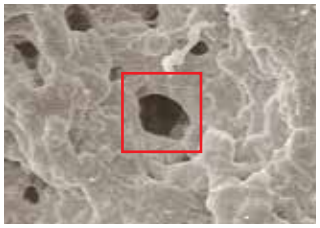
Xtra Grip

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 space between at work and an increased risk of injury.

With the innovative uvex Xtra grip technology, these problems are a thing of the past.

- Secure grip
- Excellent flexibility
- Greater resistance time
- Exceptional comfort

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

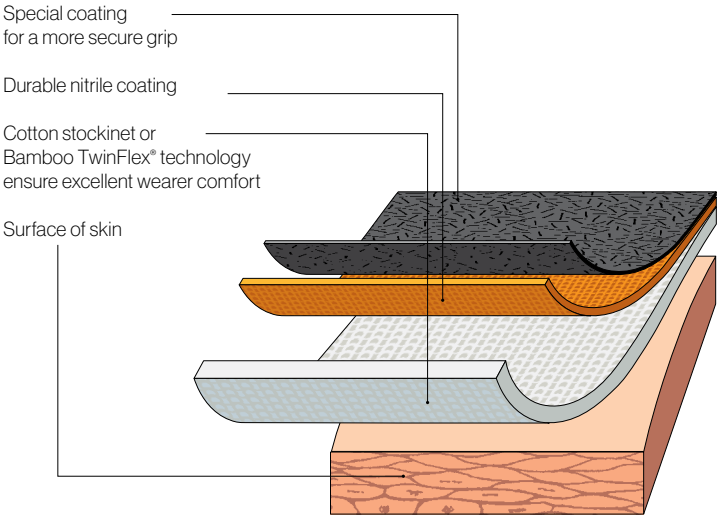


Use in oily and wet environments
The canal structure of the uvex Xtra grip technology gloves absorbs liquids, helping maintain a secure grip on tools and components.

EN 388 3121 EN 374 JKL

uvex rubiflex S XG35B
uvex provides maximum chemical protection with the supported uvex rubiflex S XG35B.

Multilayer design for greater safety



CONFIDENCE IN TEXTILES
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No. 502-0648 Hohenstein

MADE IN GERMANY

uvex

uvex Chemical Expert System

uvex glove plan designer

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

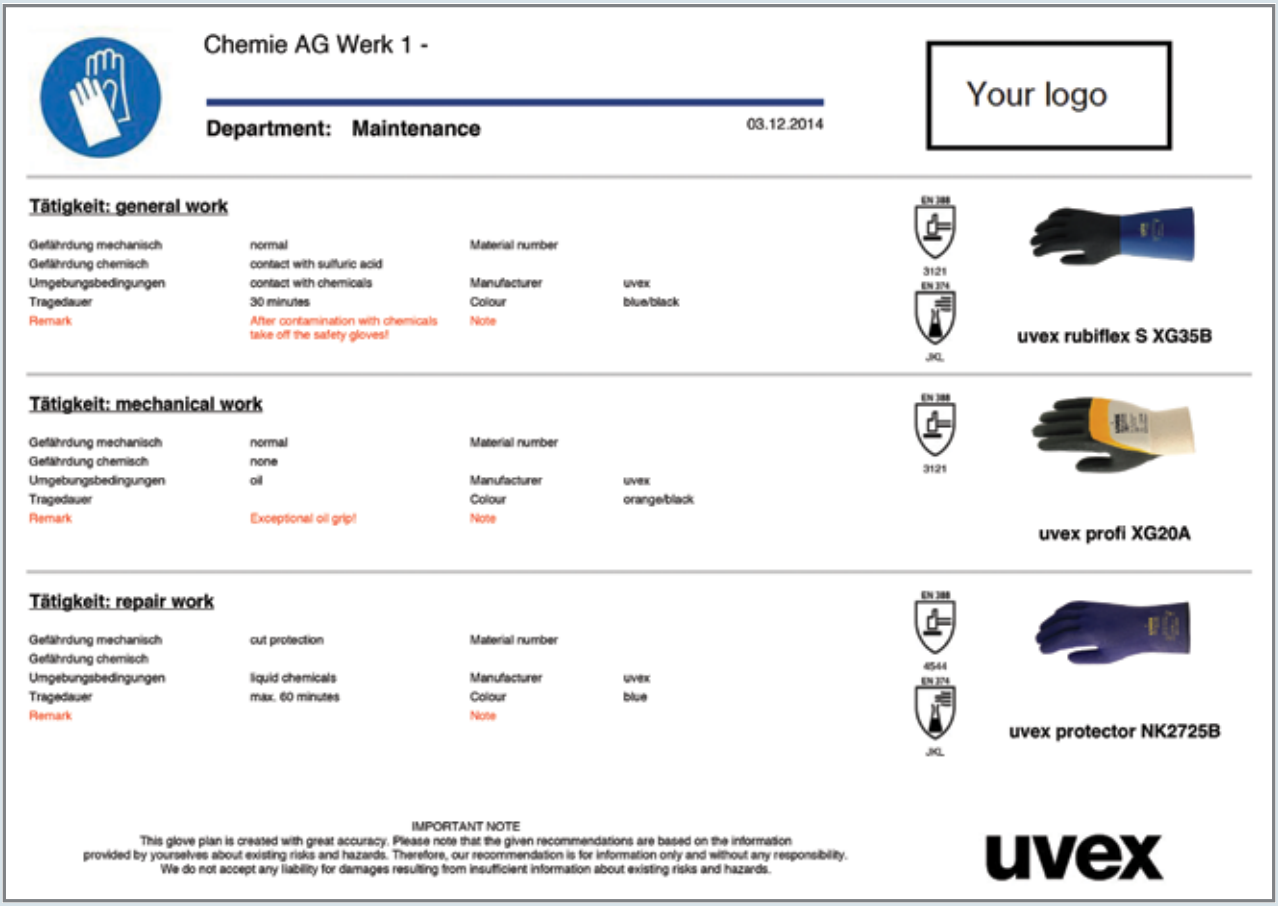
Glove plan designer

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 glove plan.

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.

Glove Plan Designer

Sort by Activity ⟷ Safety gloves
(gloves plans)



Advantages of the uvex CES Glove Plan Designer:

- Personal account with premium functions
- Comprehensible creation and management of glove plans
- High degree of glove plan customisation

uvex – advice and product expertise from a single source.

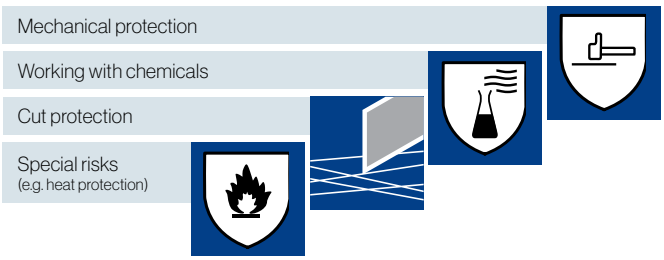
The uvex Glove Navigator

The fast way to find the right safety gloves

There are many factors that 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 respective amplitude level.

Safety gloves certified according to Oeko-Tex® Standard 100.

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

pure standard

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.

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).

SIEMENS

Non-binding recommendation for SIMATIC Industrial Monitors with gesture and multi-finger operation

Safety gloves approved for applications with industrial monitors with touchscreens.

MADE IN GERMANY Safety gloves are developed and manufactured in Germany.

uvex

Safety Gloves

Mechanical Risks

uvex phynomic range

uvex unilite range

uvex unipur range

uvex profi ergo range

uvex rubiflex

uvex C500 range

uvex NK

uvex C300 range

uvex unidur range

Safety Gloves

Chemical Risks

Safety gloves with cotton support 35-35

uvex rubiflex S XG

uvex rubiflex S

uvex rubiflex S long version

uvex rubiflex SZ

uvex

Mechanical Risks

Area of application: precision/all-round

	Precision	All-round	Heavy duty
dry	 uvex phynomic XS  uvex unipur 6631	 uvex phynomic foam	
light moisture/oily		 uvex phynomic XG  uvex unilite 7700  uvex unilite 7701 HV	
wet/oily		 	

Precision	Activities where a high level of sensitivity is necessary.	Examples: fine assembly work, working with small parts (e.g. screws), operating controls, end inspection.	
All-round	General, multiple activities for which robust, stable safety gloves are required.	Examples: servicing, transport work, light metal processing, standard assembly work, maintenance.	
Heavy Duty	Tough activities requiring extremely robust, abrasion resistant safety gloves.	Examples: heavy transport work (e. g. palette transport), construction, servicing.	
Dry	Working areas that 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	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	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).	

Safety Gloves

for industrial monitors with touchscreens

SIEMENS

Non-binding recommendation for SIMATIC Industrial Monitors with gesture and multi-finger operation

Modern, computerised production processes and manufacturing plants are increasingly controlled via industrial monitors with touchscreens. However, there is still the necessity in these working environments to wear safety gloves with which the touchscreen can be operated.

As a specialist in safety gloves, UVEX SAFETY Gloves GmbH & Co. KG has developed an appropriate and optimised product system for use with industrial monitors that feature touchscreens. This has been developed and tested for a wide range of applications.

	Glove model	Norm	Area of application	Properties	Standard touch application	Complex touch application (e.g. zoom)
	uvex phynomic XS	EN 388: cut protection level 1	Fine and final assembly work	• Breathable impregnation • Mechanical protection	■	■
	uvex profi ergo	EN 388: cut protection level 1	Oily applications	• Partially coated • Impermeable to oils and water	■	
	uvex C500 foam uvex C300 foam	EN 388: cut protection levels 5 and 3 respectively	Handling glass and sharp objects	• Breathable • Cut protection	■	■

uvex

uvex phynomic

Perfection in 3 dimensions

1 Perfect fit

Precision all the way to the fingertips...

...due to revolutionary 3D ergo technology.

- Anatomically formed 3D-ergo hand shape
- Elastic aqua polymer coating
- 15-gauge fine-knit liner based on polyamide/elastane

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

2 Optimum functionality

Suitable for multiple application areas...

...due to revolutionary aqua polymer coating.

Whether in dry, damp or wet/oily areas of application, the revolutionary thin and robust aqua polymer coating always guarantees optimum functionality and high durability – matched to the area of application:

uvex phynomic XS:
- Aqua-polymer impregnation
- The lightest safety glove in its class
- Primarily suitable for dry working conditions

uvex phynomic foam:
- 50% sealed aqua-polymer foam coating
- Suitable for slightly damp environments
- Outstanding dry grip

uvex phynomic XG:
- Xtra Grip aqua-polymer foam coating
- The best oil grip in its class
- Particularly flexible and extremely robust
- High abrasion resistance

3 Skin safe – product safe

through the uvex 'pure' standard.

Enhanced skin care and product protection.

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 (finger prints)

* 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).

pure standard

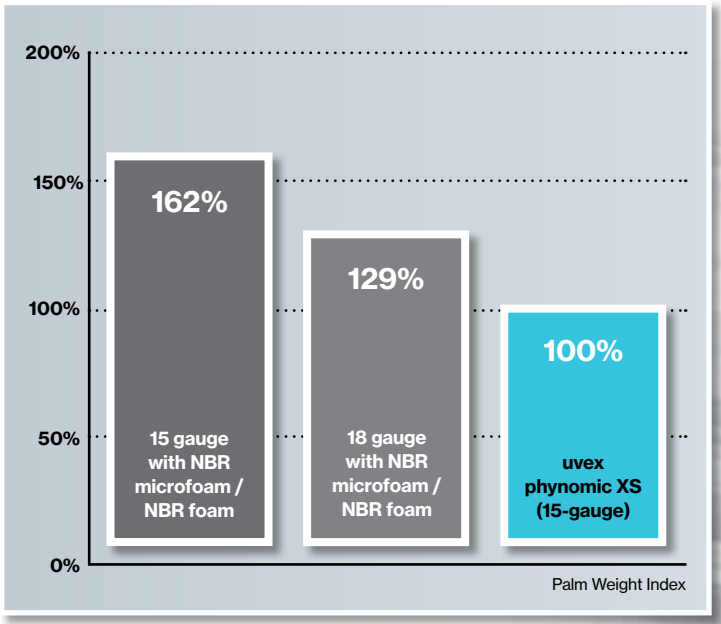
climazone

MADE IN GERMANY

uvex phynomic

Perfect fit. Optimal function. Absolute purity.

The lightest safety glove in its class
uvex phynomic XS



Based on the palm weight index*, the weight of the uvex phynomic XS is much lower when compared with other coated, seamless knitted safety gloves in its class (15-18 gauge).

- Excellent touch sensation
- Outstanding dry grip
- Does not leave any marks
- Suitable for multi-touch operation
- Excellent durability

* Comparison of basis weight of standardised material samples comprising liner and coating from the palm area.

uvex phynomic

Perfection in 3 dimensions

uvex phynomic XS

The uvex phynomic XS is the lightest safety glove in its class. The aqua-polymer impregnation is extremely thin, but still highly durable and also provides exceptional dexterity.

Characteristics
- Dermatological approved
- 3 dimensional ergonomic fit
- Super lightweight
- Excellent dexterity
- Suitable for dry and slightly wet/oily applications

uvex pure standard
Free of harmful substances in accordance with Oeko-Tex® Standard 100
Free from all solvents (e.g. DMF, TEA)
Free from catalysts
Dermatologically approved

Applications
- Light assembly work
- Precision work
- Automotive industry

EN 388
3121

Part no.	60055
EN	388 (3 1 2 1)
Sizes	6, 7, 8, 9, 10, 11
Construction	Aqua-polymer impregnation on palm and fingertips, knitted cuff
Base glove	Polyamide/elastane
Coating	Aqua-polymer impregnation
Colour	grey/grey
Resistance	For dry areas and slightly damp working conditions

uvex phynomic foam

The uvex phynomic foam is an ultra-light all-round safety glove. The aqua-polymer foam coating is extremely flexible, provides good grip and leaves no trace on sensitive surfaces

Characteristics
- Dermatological approved
- 3 dimensional ergonomic fit
- Excellent dexterity
- Suitable for dry and slightly wet/oily applications
- EN 388 (3131)

uvex pure standard
- Free of harmful substances in accordance with Oeko-Tex® Standard 100
- Free from all solvents (e.g. DMF, TEA)
- Free from catalysts
- Dermatologically approved

Applications
- Light assembly work
- Precision work
- General manual handling

EN 388
3131

Part no.	60050
EN	388 (3 1 3 1)
Sizes	6, 7, 8, 9, 10, 11
Construction	Aqua-polymer foam coating on palm and fingertips, knitted cuff
Base glove	Polyamide/elastane
Coating	Aqua-polymer foam coating
Colour	white/grey
Resistance	For dry areas and slightly damp working conditions

uvex phynomic

Perfect fit. Optimal function. Absolute purity.

Xtra Grip

Exceptional grip

pure standard

climazone
MADE IN GERMANY

uvex phynomic XG

The uvex phynomic XG offers the best oil grip in its class.
The innovative aqua polymer Xtra Grip foam coating is also particularly flexible and extremely robust.

Characteristics
- Dermatological approved
- 3 dimensional ergonomic fit
- Excellent dexterity
- High abrasion resistance
- Good dry and wet grip
- Repels liquids

uvex pure standard
- Free of harmful substances in accordance with Oeko-Tex® Standard 100
- Free from all solvents (e.g. DMF, TEA)
- Free from catalysts
- Dermatologically approved

Applications
- Precision work
- Light assebly work
- Engineering
- General maintenance
- Mining
- Construction

Part no.	60070
EN	388 (4 1 3 1)
Sizes	6, 7, 8, 9, 10, 11
Construction	Aqua-polymer Xtra Grip foam coating on palm and fingertips, knitted cuff
Base glove	Polyamide/elastane
Coating	Aqua-polymer Xtra Grip foam coating
Colour	black/black
Resistance	For damp/oily working conditions

Mechanical Risks

Area of application: precision

uvex unipur UP6631

This reliable, lightweight and flexible safety glove offers outstanding dexterity. The palm and fingertips are PU coated.

Characteristics
- Extremely lightweight
- Outstanding dexterity
- PU coated palm and fingertips for good grip and breathability
- Flexible
- Excellent abrasion resistance
- Good mechanical strength

Applications
- Construction industry
- Horticultural industry
- Light and dry components assembly
- Light duty maintenance work
- Fine assembly work
- Precision work
- Small gear mechanisms

Part no.	UP6631
EN	388 (4141)
Sizes	6, 7, 8, 9, 10, 11
Construction	Knitted cuff, palm and fingertips with polyurethane coating
Base glove	Polyamide
Coating	Polyurethane
Colour	grey
Resistance	For dry and slightly damp areas

Ideal for maintenance in mining, engineering and other heavy industries where excellent grip in wet, oily or greasy conditions is paramount.

Characteristics
- Flexible
- High visibility yellow
- Outstanding dexterity
- Excellent grip in wet, oily and greasy conditions
- High abrasion resistance
- Good mechanical strength
- Coatings provides resistance to oils

Applications
- Wet and greasy or oily tasks where grip plus visibility is essential such as underground mining
- Areas and tasks that require high abrasion resistance with excellent grip
- Engineering and maintenance tasks where dexterity is needed
- Underground mining

Part no.	UL7701 HV
EN	388 (4121)
Sizes	7, 8, 9, 10, 11
Construction	Knitted cuff, palm and fingertips with polyurethane coating
Base glove	Elastane
Coating	NBR (nitrile butadiene rubber)/water-based polyurethane
Colour	yellow
Resistance	For dry areas and damp/oily working conditions

Mechanical Risks

Area of application: precision

uvex unilite UL7700

The uvex unilite 7700 is a durable knitted safety glove with nitrile/PU foam coating. Optimum fit ensures even small parts can be handled with precision.

Characteristics
- Flexible
- Outstanding dexterity
- Excellent grip in wet, oily and greasy conditions
- High abrasion resistance
- Good mechanical strength
- Coatings provides resistance to oils

Applications
- 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.

Part no.	UL7700
EN	388 (4 1 3 1)
Sizes	7, 8, 9, 10, 11
Construction	Knitted cuff, palm and fingertips with NBR/polyurethane coating
Base glove	polyamide/elastane
Coating	NBR (nitrile butadiene rubber)/water-based polyurethane
Colour	grey/black
Resistance	For dry areas and damp/oily working conditions

Mechanical Risks

Area of application: all-round

	Precision	All-round	Heavy duty
dry			
light moisture/oily			
wet/oily		 uvex profi ergo	 uvex rubiflex

uvex profi ergo NB20A

The uvex profi ergo is a classic safety glove with an ergonomic fit. An extremely functional, high-quality, universal task compliance and hard-wearing safety glove.

Characteristics
- Excellent ergonomic fit
- Partial palm coated NBR (nitrile butadiene rubber) (nitrile butadiene rubber)
- Good dexterity
- Good abrasion resistance
- Good resistance to oil, grease and fuel
- Very good dry/wet grip
- Proven high wearer acceptance
- Good perspiration absorption due to cotton lining

Applications
- Light/medium metal processing
- Repairs/maintenance
- General handyman work

EN 388 2121

Part no.	NB20A
EN	388 (2 1 2 1)
Sizes	7, 8, 9, 10, 11
Construction	Knitted cuff, partially coated back
Base glove	Cotton interlock
Coating	Special NBR (nitrile butadiene rubber)
Colour	orange
Resistance	Good resistance to oil and grease

MADE IN GERMANY

Mechanical Risks

Area of applications: all-round/heavy duty

uvex profi ergo ENB20

The uvex profi ergo is a classic safety glove with an ergonomic fit. An extremely functional, high-quality, universal task compliance and hard-wearing safety glove.

Characteristics
- Excellent ergonomic fit
- Full palm coated NBR (nitrile butadiene rubber) (nitrile butadiene rubber)
- Good dexterity
- Good abrasion resistance
- Good resistance to oil, grease and fuel
- Very good dry/wet grip
- Proven high wearer acceptance
- Good perspiration absorption due to cotton lining

Applications
- Light/medium metal processing
- Repairs/maintenance
- General handyman work

EN 388
2121

Part no.	ENB20
EN	388 (2 1 2 1)
Sizes	7, 8, 9, 10
Construction	Fully coated back, knitted cuff
Base glove	Cotton interlock
Coating	Special NBR (nitrile butadiene rubber)
Colour	orange
Resistance	Good resistance to oil and grease

MADE IN GERMANY

uvex rubiflex

Very high-quality NBR-coated safety glove. Highly flexible with excellent dexterity, exceptionally hard-wearing and durable.

Characteristics
- Excellent dexterity
- Fully coated NBR (nitrile butadiene rubber) provides a barrier against non-hazardous liquids
- Excellent abrasion resistance
- Flexible
- Good mechanical strength

Applications
- Construction industry
- Manufacturing
- Refining
- Warehousing / logistics

EN 388
3111

Part no.	NB27
EN	388 (3 1 1 1)
Sizes	7, 8, 9, 10, 11
Length approx.	27cm
Construction	Cuff, fully coated
Base glove	Cotton interlock
Coating	Special NBR (nitrile butadiene rubber)
Colour	orange
Resistance	Good resistance to oil and grease

MADE IN GERMANY

uvex

uvex C500 and uvex C300

The comfort class in cut protection

Come with us to the future.

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 new high-tech product concept combines all of these properties. Using it 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. Welcome to the future.

Cut protection level 5 and 3

Bamboo TwinFlex® Technology – High-tech for more comfort

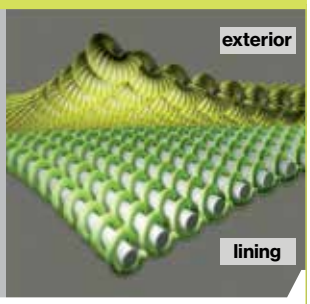
- **Robust and comfortable**
- **Bamboo – environmently sustainable raw material**
- **Cooling effect**

CONFIDENCE IN TEXTILES
Tested for harmful substances
according to Oeko-Tex Standard 100
No. 502-0648 Hohenstein

Bamboo TwinFlex® Technology

The patented Bamboo TwinFlex® protective function: cut-resistant glass fibres and abrasion-resistant polyamide guarantee optimum mechanical protection.

The patented Bamboo TwinFlex® comfort function: soft, comfortable bamboo thread for a silky feel and perfect temperature regulation combined with robust Dyneema® fibres for high tear resistance.



Double Face Prinzip

Polyamide (abrasion resistance)

Glass (cut protection level 5 and 3)

Bamboo (comfort)

Dyneema® (tear resistance)

First-class comfort

uvex climazone – Significantly increased wearer acceptance

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 Climatester, gives an insight into thermo-physiological and skin sensory wearer comfort.

- **Reduced sweating**
- **High breathability**
- **Much higher moisture absorption than other yarns**

climazone

Bamboo TwinFlex® technology is a registered brand of UVEX SAFETY GLOVES GmbH & Co. KG, Germany.
Dyneema® is a registered trademark of Royal DSM N.V.

uvex C500 and uvex C300

High performance for highest protection

MADE IN GERMANY

CONFIDENCE IN TEXTILES
Tested for harmful substances
according to Oeko-Tex Standard 100
No. 502-0648 Hohenstein

Perfect dexterity for working

**Natural dexterity –
wherever you use them**

In addition the intelligent use of new lining materials, perfect shape and fit is achieved by innovating a new flat ergo mould. These anatomically shaped moulds accurately replicate the hand improving the fit and dexterity of the glove.

- **Anatomic shape**
- **Excellent grip**
- **Natural dexterity**

Extremely flexible

**Excellent grip –
uvex grip technology**

As experts in innovative coating technologies, we have developed innovative materials for the range for use in all applications.
Three different coating materials are used in the range:

High Performance Elastomer (HPE) SoftGrip Foam
The HPE SoftGrip foam guarantees a maintained grip when used in dry and light oil conditions. This microporous coating is breathable providing a stable internal climate and a high degree of comfort.
This coating is used in uvex C500/C300 foam gloves.

High Performance Elastomer (HPE) coating
The liquid resistant HPE coating ensures the gloves are suitable for use in wet or oily environments. It also holds its own in dry applications thanks to its excellent abrasion resistance. This coating is used in the uvex C500/C300 wet and wet plus.

High Performance Vinyl (HPV) micro-nubs
The uvex grip technology provides maximum comfort and dexterity due to its anatomical nub design with flexzones for dry working conditions.

The uvex C500/C300 dry feature grip nubs.

Mechanical Risks

Area of application: cut protection

uvex C500 wet

uvex C500 wet plus

uvex C500 foam

uvex C500 dry

uvex C500 sleeve

SIEMENS

Non-binding recommendation for SIMATIC Industrial Monitors with gesture and multi-finger operation

MADE IN GERMANY

uvex C500

Characteristics

- Patented uvex Bamboo TwinFlex® Technology
- Innovative HPE coating
- Tested and approved to EN388
- Cut resistance rating cut level 5
- Excellent dexterity
- Excellent abrasion resistance (excluding sleeve)
- Silicone-free on the basis of the fingerprint text
- Extremely comfortable due to uvex climazone

Applications

- Metal industry
- Automotive industry
- Transportation work
- Assembly work
- Glass industry
- Maintenance and repair
- Shipping/logistics
- Brewery/beverage industry
- Paper industry
- Construction

Part no.	HX60492	HX60496	HX60494	HX60499	HX60491
	uvex C500 wet	uvex C500 wet plus	uvex C500 foam	uvex C500 dry	uvex C500 sleeve
EN	388 (4 5 4 2)	388 (4 5 4 2)	388 (4 5 4 2)	388 (2 5 4 X)	388 (2 5 4 X)
Sizes	7, 8, 9, 10, 11	7, 8, 9, 10, 11	7, 8, 9, 10, 11	7, 8, 9, 10, 11	M, L
Length approx.					34 cm, 40 cm
Construction	Palm and fingertips coated, ribbing	Knitted glove, partially coated back of hand	Palm and fingertips coated, ribbing	Grip nubs on palm, knitted glove	Underarm protection with velcro fastening
Base glove	Bamboo-rayon/ Dyneema®/glass/ polyamide	Bamboo-rayon/ Dyneema®/glass/ polyamide	Bamboo-rayon/ Dyneema®/glass/ polyamide	Bamboo-rayon/ Dyneema®/glass/ polyamide	Bamboo-rayon/ Dyneema®/glass/ polyamide
Coating	High Performance Elastomer (HPE) wet	High Performance Elastomer (HPE) wet	High Performance Elastomer (HPE), SoftGrip foam	High-performance vinyl (HPV), grip nubs	none
Colour	lime/anthracite	lime/anthracite	lime/anthracite	lime/anthracite	lime
Resistance	Oil and grease-resistant	Oil and grease-resistant	Moisture-resistant	For dry areas	For dry areas

Bamboo TwinFlex® technology is a registered brand of UVEX SAFETY GLOVES GmbH & Co. KG, Germany.
Dyneema® is a registered trademark of Royal DSM N.V.

Mechanical Risks

Area of application: cut protection

climazone

uvex C300 wet

uvex C300 wet plus

uvex C300 foam

uvex C300 dry

SIEMENS

Non-binding recommendation for SIMATIC Industrial Monitors with gesture and multi-finger operation

MADE IN GERMANY

uvex C300

Characteristics

- Patented uvex Bamboo TwinFlex® Technology
- Innovative HPE coating
- Tested and approved to EN 388
- Cut resistance rating cut level 3
- Excellent dexterity
- Excellent abrasion resistance
- Silicone-free on the basis of the fingerprint text
- Extremely comfortable due to uvex climazone

Applications

- Automotive
- Engineering
- Aerospace
- Metal industry
- Maintenance
- Assembly
- Transport
- Construction
- Oil and Gas

Part no.	HX60542	HX60546	HX60544	HX60549
	uvex C300 wet	uvex C300 wet plus	uvex C300 foam	uvex C300 dry
EN	388 (4 3 4 2)	388 (4 3 4 2)	388 (4 3 4 2)	388 (2 3 4 X)
Sizes	7, 8, 9, 10, 11	7, 8, 9, 10	7, 8, 9, 10, 11	7, 8, 9, 10, 11
Construction	Coated palm and fingertips, knitted glove	Knitted glove, partially coated palm and extended on reverse	Coated palm and fingertips, knitted glove	Grip nubs on palm, knitted glove
Construction	Bamboo viscose/Dyneema®/glass/ polyamide	Bamboo viscose/Dyneema®/glass/ polyamide	Bamboo viscose/Dyneema®/glass/ polyamide	Bamboo viscose/Dyneema®/glass/ polyamide
Coating	High Performance Elastomer (HPE)	High Performance Elastomer (HPE)	High Performance Elastomer (HPE), SoftGrip-Foam	High Performance Vinyl (HPV), grip nubs
Colour	anthracite	anthracite	anthracite	anthracite
Resistance	Oil and grease resistant	Light liquid resistant	Moisture-resistant	For dry areas

Bamboo TwinFlex® technology is a registered brand of UVEX SAFETY GLOVES GmbH & Co. KG, Germany.
Dyneema® is a registered trademark of Royal DSM N.V.

Mechanical Risks

Area of application: cut protection

uvex unidur UD6641

This model stands out due to the tried and tested original Dyneema® fibre. The top-quality thread ensures excellent cut protection (level 3). In addition, soft, cool wearer comfort is ensured through the high number of filaments of the Dyneema® fibre.

Characteristics
- Dyneema® materials provides good cut resistance
- PU coated palm and fingertips for good grip and breathability
- Outstanding dexterity
- Flexible
- High abrasion and tear resistance
- Mechanical strength

Applications
- Construction industry
- Mechanical mainteance/ assembly
- Horticulture / agriculture
- Cut protection applications that require a more flexible coating

Part no.	UD6641
EN	388 (4 3 4 3)
Sizes	7, 8, 9, 10, 11
Construction	Knitted cuff, palm and fingertips with polyurethane coating
Base glove	Dyneema® fibre, elastane
Coating	Polyurethane
Colour	white/grey
Resistance	For dry areas and slightly moist areas

Dyneema® is a registered trademark of Royal DSM N.V.

uvex unidur cable pulling glove UD6613

Fingerless flexible safety glove with Dyneema® material for good cut resistance

Characteristics
- High abrasion and tear resistance
- Outstanding dexterity
- Dyneema® materials provides very good cut resistance
- Flexible
- Mechanical strength
- Fingerless for fine assembly work at thumb, fore and index finger

Applications
- Building / construction works
- Electrical trades (not for voltage protection)
- Applications needing cut protection & high levels of dexterity

Part no.	UD6613
EN	388 (4 3 4 3)
Sizes	7, 8, 9, 10, 11
Construction	Fingerless at thumb, fore and index finger, knitted cuff, palm and fingertipcoated with PU coating
Base glove	Dyneema® fibre, elastane
Coating	Polyurethane
Colour	white/grey coating
Resistance	for dry areas and slightly moist areas

Mechanical Risks

Area of application: cut protection

uvex unidur UD6649 FOAM

These mottled grey safety gloves are ideal for both clean and dirty environments. The HPPE fibre ensures good cut protection (level 3).

Characteristics
- Seamless HPPE material for good dexterity and flexibility
- NBR Foam coated palm and fingertips for good grip
- Excellent grip in dry and oily conditions
- Cut level 3
- Excellent abrasion resistance
- Good mechanical strength

Applications
- Dry or slightly oily tasks where grip is essential
- Areas and tasks that require high abrasion resistance or where cut protection is needed

Part no.	UD6649 FOAM
EN	388 (4 3 4 3)
Sizes	7, 8, 9, 10, 11
Construction	Knitted cuff, palm and fingertips with polyurethane coating
Base glove	HPPE*, polyamide, elastane
Coating	NBR (Nitrile Butadiene rubber) Foam
Colour	mottled grey/black
Resistance	For dry areas and slightly moist areas

* HPPE = high performance polyethylene

uvex unidur UD6659 FOAM

The HPPE fibre and glass fibre of the uvex unidur 6659 ensures very high cut protection. These mottled grey safety gloves are ideal for clean and dirty environments.

Characteristics
- 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

Applications
- Construction industry
- Mechanical mainteance/ assembly
- Horticulture / agriculture
- Cut protection applications that require a more flexible coating

Part no.	UD6659 FOAM
EN	388 (4 3 4 3)
Sizes	7, 8, 9, 10, 11
Construction	Knitted cuff, polyurethane coating on palm and fingertips
Base glove	HPPE*, glass, polyamide, elastane
Coating	NBR (Nitrile Butadiene rubber) Foam
Colour	mottled grey/black
Resistance	For dry areas and slightly moist areas

* HPPE = high performance polyethylene

Mechanical Risks

Area of application: cut protection

uvex unidur UD6655 HV

The HPPE fibre and glass fibre of the uvex unidur 6655HV ensures very high cut protection. Ideal for situations where a high level of visibility is required.

Characteristics
- 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

Applications
- construction industry
- mechanical mainteance/ assembly
- horticulture / agriculture
- cut protection applications that require a more flexible coating

Part no.	UD6655HV
EN	388 (4 5 4 3)
Sizes	7, 8, 9, 10, 11
Construction	Knitted cuff, palm and fingertips with polyurethane coating
Base glove	HPPE*, glass, polyamide, elastane
Coating	Coating NBR (nitrile butadiene rubber) sand grip
Colour	yellow
Resistance	For dry areas and slightly moist areas

* HPPE = high performance polyethylene

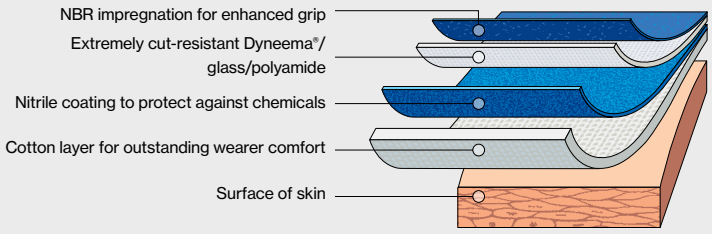
uvex NK2725B chemical – for chemical applications

These top-quality NBR-coated safety glove meets the highest requirements of mechanical protection. Thanks to its multilayer technology cotton/ Dyneema®/glass and its dual nitrile coating, it provides excellent cutting protection (level 5) and also achieves impressive resistance times and excellent ratings (levels 4 5 4 4) in the remaining EN 388 categories. The rough surface ensures exceptional grip.

Characteristics
- Highly flexible
- Anatomical design
- Outstanding cut protection
- Comfortable fit
- Excellent grip
- Resistant to many chemicals
- Provides heat resistance up to 90°C

Applications
- Maintenance fitters
- Process workers handling oily, sharp objects
- Process workers at risk of cut and chemical contamination

Part no.	NK2725B
EN	388 (4 5 4 4), 374 (JKL)
Sizes	8, 9, 10
Length Approx.	27cm
Construction	Cuff, fully coating
Base glove	Sandwich liner cotton interlock/Dyneema®/glass/polyamide
Coating	Special NBR (nitrile butadiene rubber)
Colour	blue
Resistance	Excellent resistance to grease, mineral oils and many chemicals



Dyneema® is a registered trademark of Royal DSM N.V.

MADE IN GERMANY

Safety Gloves

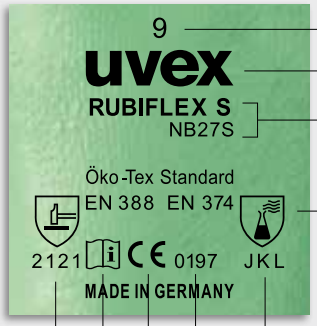
Norms and markings

For mechanical risks

- Glove size
- Manufacturer
- Glove description
- Pictogram with EN standard
- CE conformity symbol

Test		Abrasion resistance (in cycles)	Cut resistance (factor)	Tear resistance in N	Penetration in N
Performance level	1	100	1.2	10	20
	2	500	2.5	25	60
	3	2000	5.0	50	100
	4	8000	10.0	75	150
	5	–	20.0	–	–

For chemical risks



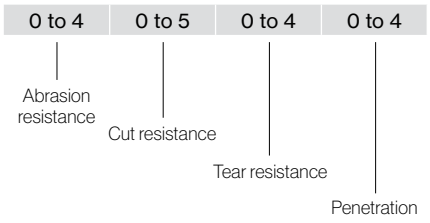
- Glove size
- Manufacturer
- Glove description
- Pictogram with EN standard
- The letters symbolise the test chemicals for which the glove achieved at least the Class 2 protection index.
- Testing institute no.
- CE conformity symbol
- See accompanying instructions for use
- Mechanical performance level

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!

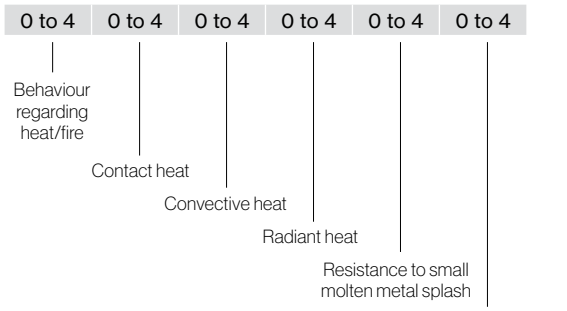
Time measured to penetration	Protection index
> 10 min	Class 1
> 30 min	Class 2
> 60 min	Class 3
> 120 min	Class 4
> 240 min	Class 5
> 480 min	Class 6

EN 388 – Mechanical risks



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

EN 407 – Heat and fire

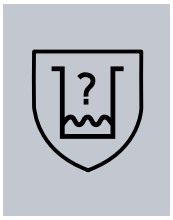


Performance levels given in numbers:
the higher the number, the better the test results

EN 374 (1-3) – Chemical risks

Letter symbol	Test chemical
A	Methanol
B	Acetone
C	Acetonitrile
D	Dichloromethane
E	Carbon disulphide
F	Toluene
G	Diethylamine
H	Tetrahydrofurane
I	Ethyl acetate
J	n-heptane
K	Sodium hydroxide 40%
L	Sulphuric acid 96%

A glove is considered to be resistant to chemicals if it attains a protection index of at least Class 2 (i.e. > 30 min) with three test chemicals.



The pictogram with the beaker stands for waterproof safety gloves with low protection against chemical dangers.

EN 511 – Cold

- Watertightness (0 to 1)
- Contact cold (0 to 3)
- Convective cold (0 to 2)

uvex

uvex Chemical Expert System

uvex Chemical database

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 tool supports you in the comprehensive analysis and optimisation of safety glove solutions for your business.

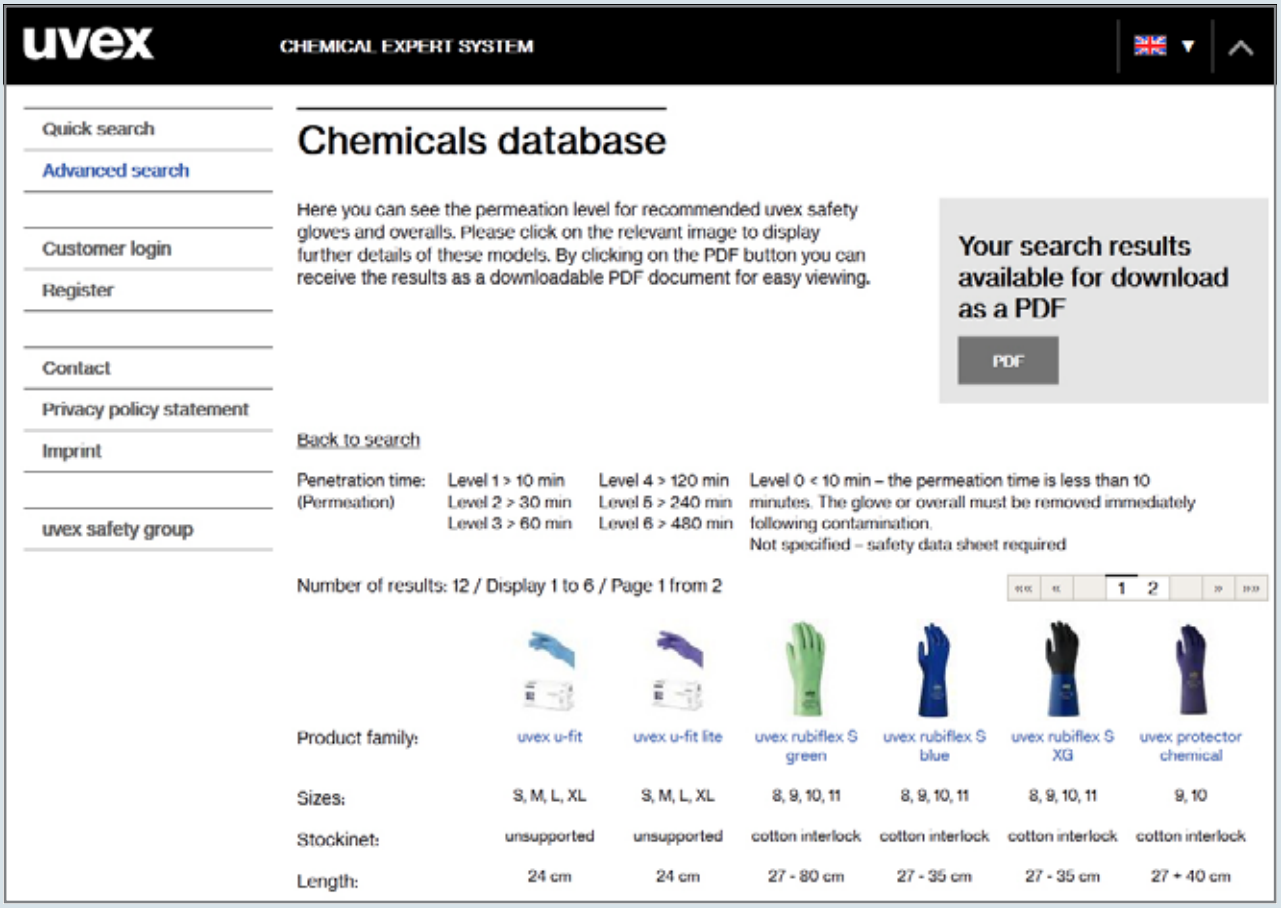
Chemicals database for safety gloves

The uvex Chemical Expert System (CES) offers an extensive chemicals database for choosing 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.

Chemicals database for safety gloves

Sort by Hazardous substance ⟷ Safety gloves (permeation lists)



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
- Comprehensible creation and management of glove plans
- High degree of glove plan customisation

uvex – advice and product expertise from a single source.

Chemical Risks

Selecting the right hand protection

Practical solutions and reliable specialist advice are particularly important in the chemical field.

The advice and service we provide is tailored to meet your requirements.
Alongside our specialists, the uvex Chemical Expert System and the online chemicals database are available to help you make the right choice of safety gloves. In addition, you can view our standard list of resistance properties online, which is constantly updated and is available as an electronic file.

In addition, our own laboratory has the facilities to test the permeation times of material blends and pure substances in comparison with various glove materials.

We would be glad to provide you with individual advice on workplace analysis and resistance lists.

uvex

Chemical Risks

Safety gloves with cotton support: NBR coating

uvex rubiflex S XG

Exceptional grip

Xtra Grip

MADE IN GERMANY

The new, lightweight chemical-resistant safety glove with innovative uvex Xtra Grip Technology combines protection and grip with exceptional comfort and flexibility.

Supported chemical protection safety gloves offer outstanding wearer comfort through top-quality cotton interlock lining, which is comfortable on the skin and regulates temperature inside the glove.

Characteristics
- Exceptional dry and wet grip
- Multilayer design for excellent resistance time
- Ergonomic fit
- High flexibility
- Excellent resistance to many chemicals
- Ultra lightweight design
- Cotton lining for superior water vapour absorption

Applications
- Refining
- Housekeeping (hosing) with chemicals present
- Handling contaminated materials
- Maintenance

EN 388: 3121 | EN 374: JKL

Part no.	XG35B
EN	374 (JKL), 388 (3 1 2 1)
Sizes	8, 9, 10, 11
Length	approx. 35 cm
Construction	Cuff, fully coated
Base glove	Cotton interlock
Coating	Special NBR (nitrile butadiene rubber) + XG grip coating
Thickness	approx. 0.40 mm
Colour	blue/black
Resistance	Excellent resistance to grease, mineral oils and many chemicals

uvex rubiflex NB40S

A stronger cotton interlock lining is used for these chemical protection safety gloves. This model is therefore suitable for many applications that require increased mechanical protection (e.g. temperature) in addition to chemical protection.

Characteristics
- Double dipped NBR (nitrile butadiene rubber) coated
- High flexibility
- Good abrasion resistance
- Resistance to temperatures -25° to +140°C
- Available in 40cm and 60cm length
- Good resistance to chemicals, fats, acids and mineral oils
- Cotton lining for superior water vapour absorption
- EN 374 (JKL)

Applications
- Petrochemical industry
- Petrochemical industry
- Alumina refining
- Battery manufacturing

EN 388: 2121 | EN 374: JKL

Part no.	NB40S
EN	374 (JKL), 388 (2 1 2 1)
Sizes	8, 9, 10, 11
Length	approx. 40 cm
Construction	Cuff, fully coated, reinforced
Base glove	Cotton interlock
Coating	Special NBR (nitrile butadiene rubber)
Thickness	approx. 0.50 mm
Colour	green
Resistance	Excellent resistance to grease, mineral oils and many chemicals

Reinforced construction

MADE IN GERMANY

Chemical Risks

Safety gloves with cotton support: NBR coating

uvex rubiflex S NB60S (long version)

Reinforced construction

A stronger cotton interlock lining is used for these chemical protection safety gloves. This model is therefore suitable for many applications that require increased mechanical protection (e.g. temperature) in addition to chemical protection.

Characteristics
- Double dipped NBR (nitrile butadiene rubber) coated
- High flexibility
- Good abrasion resistance
- Resistance to temperatures -25° to +140°C
- 40cm in length
- Good resistance to chemicals, fats, acids and mineral oils
- Cotton lining for superior water vapour absorption

Applications
- Petrochemical industry
- Petrochemical industry
- Alumina refining
- Battery manufacturing

EN 388: 2121 — EN 374: JKL

Part no.	NB60S
EN	374 (JKL), 388 (2 1 2 1)
Sizes	9, 10, 11
Length	approx. 60 cm
Construction	Cuff, fully coated, reinforced
Base glove	Cotton interlock
Coating	Special NBR (nitrile butadiene rubber)
Thickness	approx. 0.50 mm
Colour	green
Resistance	Excellent resistance to grease, mineral oils and many chemicals

MADE IN GERMANY

uvex rubiflex S NB60SZ (long version)

A stronger cotton interlock lining is used for these chemical protection safety gloves. This model is therefore suitable for many applications that require increased mechanical protection (e.g. temperature) in addition to chemical protection.

Characteristics
- Double dipped NBR (nitrile butadiene rubber) coated
- High flexibility
- Good abrasion resistance
- Resistance to temperatures -25° to +140°C
- 60cm in length
- Good resistance to chemicals, fats, acids and mineral oils
- Cotton lining for superior water vapour absorption

Applications
- Petrochemical industry
- Petrochemical industry
- Alumina refining
- Battery manufacturing

EN 388: 2121 — EN 374: JKL

Part no.	NB60SZ
EN	374 (JKL), 388 (2 1 2 1)
Sizes	9, 10, 11
Length	approx. 60 cm
Construction	Elastic collar at cuff end, fully coated, reinforced
Base glove	Cotton interlock
Coating	Special NBR (nitrile butadiene rubber)
Thickness	approx. 0.50 mm
Colour	green
Resistance	Excellent resistance to grease, mineral oils and many chemicals

MADE IN GERMANY

Chemical Risks

Safety comes first: tried-and-tested, German-made quality

A glove can only offer protection against occupational hazards if it is worn. It is also important to take product safety into consideration, as safety gloves can irritate the skin or lead to illness if they contain harmful substances.

Example: PVC safety gloves
PVC gloves are used in many areas of the chemical and mineral oil industries. For outdoor use in particular, they often provide the advantage of remaining flexible at cold temperatures. This flexibility is achieved by using large amounts of plasticisers, which can contain various (hazardous) additives from the phthalate family. Plasticisers in PVC are controversial and receive a great deal of negative press in connection with their presence in children's toys and other everyday objects. PVC products containing ingredients of questionable safety cannot be certified in accordance with Oeko-Tex® Standard 100.

In this area, uvex offers safety gloves which:

1. do not contain hazardous phthalates,
2. are certified in accordance with Oeko-Tex® Standard 100,
3. fulfil the stringent criteria of the EU REACH chemical regulations,
4. adhere to the threshold values set out in uvex's list of hazardous substances and
5. fulfil the requirements associated with their areas of application.

The aim in developing the new uvex PVC coating was to provide users with the best-possible protection in the form of uvex products that live up to the uvex group's philosophy, protecting people, and fulfil our responsibility to protect our customers, our employees and the environment.

It goes without saying that we still strive to maintain the same high levels of comfort and mechanical and chemical resistance in our safety glove products.

By developing the new HPV (high-performance vinyl) coating material, we managed to achieve this goal with the uvex C300/C500 dry.

All of these ranges are setting new industry benchmarks!

Oeko-Tex® Standard 100

Oeko-Tex® Standard 100 is a testing and certification system that is the same world-wide. The more intensively skin comes into contact with a product, the stricter the product requirements have to be, which is why gloves are subject to the second highest level, Class II. They are not only tested in accordance with legal standards, but also with the aid of the latest research findings. For this reason, Oeko-Tex® not only defines stringent threshold values for heavy metals such as chrome, nickel and mercury, but also assesses the use of carcinogenic and allergenic dyes and solvents such as formaldehyde. Every year, testing methods and hazardous substances lists are updated to incorporate the latest scientific findings.

The uvex hazardous substances list

uvex products that come into contact with the skin, such as personal protective equipment, are required to fulfil particularly stringent criteria, which not only far exceed EU regulations, but are exemplary in terms of product safety and eco-friendliness. It is uvex's policy to provide only those products that do not contain any hazardous substances or pose a threat to users or the environment.

To guarantee product safety in terms of materials used, the use of hazardous materials in uvex products is prohibited, or if unavoidable, only permissible to a strictly limited degree that completely rules out a risk to users and the environment. uvex has defined a list of hazardous substances and has the defined threshold values checked by independent scientific institutes on a regular basis.

Protecting people's health and the environment.

uvex fully adheres to the guidelines specified by the REACH goals and their implementation. The REACH (Registration, Evaluation, Authorisation and restriction of CHemicals) regulation governs chemical use throughout the EU with the aim of protecting people's health and the environment. As a manufacturer and importer, uvex is obliged to evaluate hazards. The goal is to use chemicals which entail the lowest-possible risk to people and the environment. uvex works closely and exchanges information with suppliers and manufacturers in order to ensure compliance with the REACH guidelines.

What you need to know about plasticisers

Plasticisers are added to PVC (polyvinyl chloride) to modify the hardness and suppleness. They are indispensable particularly in the manufacture of soft PVC, which is used in the coating of our Profatrol products. To create a PVC coating paste, PVC powder is mixed with liquid plasticisers (plastisol). When placed in a hot drying oven, the PVC powder dissolves completely in the plasticiser (gelation), creating a soft PVC coating. Plasticisers can be divided into material classes, including the phthalate family, which can be hazardous. However, there are now non-toxic plasticisers, which provide an alternative to phthalate plasticisers and are used in uvex products.