

# INDUSTRIAL SAFETY

## ALL ROUND PROTECTION FOR TRADE AND DIY



# The industrial safety program from kwb.

The comprehensive industrial safety program for enhanced safety for trade, DIY and workplace.



## Eye Protection

Our eyes are one of our most important sensory organs. They must be protected during all tasks against fluid spray, radiation or airborne objects. Unprotected eyes could otherwise suffer long-term or permanent damage. Therefore, kwb has compiled a high-quality safety goggles program for all common applications such as drilling, milling, grinding and welding; both indoors and outdoors; also suitable for spectacle wearers.



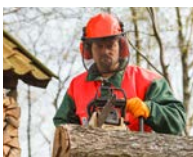
## Hearing Protection

The ear is our constant companion and is always in use. In trade or DIY tasks, or during sports and hobbies, recommended noise limits are frequently exceeded. Without protection, the ear can be harmed and irreversible damage can occur. To protect the ear from damage, kwb has compiled a hearing protection program for all common applications- from simple ear plugs to professional ear defenders.



## Protective Masks

There are many tasks in which dust is generated, or vapours and gases or other materials harmful to health emerge. To protect against these hazards, kwb has an extensive range of masks, with and without exhalation valves, for all common applications in the prescribed protective mask classes.



## Safety Helmets

For all building or forestry tasks, or other danger areas for falling or airborne objects; the head must be protected by a helmet. In connection with the eye protection, respiratory protection and hearing protection program from kwb, the entire head is protected.



## Protective Gloves

Protective gloves must always be worn where injuries to the hand could occur. For all garden jobs, building jobs with sharp-edged objects, mortar mixing, forestry, acid or oil-handling jobs, or welding, the hands must be protected. In all cases, a safe grip and optimum wearer comfort are the basic requirements for the correct protective gloves.

All industrial safety articles bear the CE shield, are subject to a permanent quality test and fulfil the EN (European Standards).

## The brand kwb stands for quality.

With the three layered quality system from kwb, the consumer can always find the correct tool for the job and the duty cycle required.

★★★★★  
PROFESSIONAL

The best kwb quality, suitable for continuous professional use, with 5 years guarantee.



★★★★★  
HIGH QUALITY

The high value kwb quality, suitable for trade use.

★★★  
QUALITY



The good everyday quality for DIY use.

## Eye Protection

### Welder's safety goggles, can be worn over spectacles, foldable, protection level 5A

PROFESSIONAL ★★★★★

Welding lenses replaceable, for gas, gas-shielded and plasma welding, as well as hard soldering. Inside, transparent polycarbonate lenses, green athermal welding lenses in the flip-open part, optical grade 1

Art.-No.	∅			Barcode
378010	50		3	



### Spare glasses for welding goggles 378000

PROFESSIONAL ★★★★★

athermal, protection class 5A




Art.-No.	∅			Barcode
378200	50		3	



### Spare glasses for welding goggles 378010

PROFESSIONAL ★★★★★

Polycarbonate lens



Art.-No.	∅			Barcode
378300	50		3	

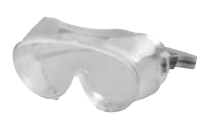


### Full visibility safety goggles

PROFESSIONAL ★★★★★

ventilated full visibility body, with clear, anti-mist polycarbonate lens, can be worn over spectacles, adjustable head band, optical grade 1, protection against mechanical, optical and chemical hazards

Art.-No.	∅			Barcode
378410			2	





## All round protection for trade and DIY

**kwib**<sup>®</sup>  
GERMANY GMBH

### Full visibility safety goggles, professional version

PROFESSIONAL ★★★★★



with clear, anti-mist polycarbonate lens, shockproof, can be worn over spectacles, protection against mechanical, optical and chemical hazards, optical grade 1

Art.-No.			Barcode
376500		Z2	



EN 166

### Safety Goggles, fully transparent, blue-transparent frame

HIGH QUALITY ★★★★★



with side protection and eyebrow protection, can be worn over spectacles, made from colourless polycarbonate, protection against mechanical, optical and chemical hazards, optical grade 11

Art.-No.			Barcode
378510		3	



EN 166



### Hobby safety spectacles, yellow transparent

HIGH QUALITY ★★★★★



contrast enhancing in twilight, anti-mist polycarbonate lens, UV protection 400, protection against mechanical, optical and chemical hazards, optical grade 1

Art.-No.			Barcode
378610		3	



EN 166



### Transparent goggles, depth of temple arms adjustable

HIGH QUALITY ★★★★★



can be worn over glasses, anti-mist polycarbonate lens, protection against mechanical, optical and chemical hazards, optical grade 1

Art.-No.			Barcode
378710		3	









EN 166

## Eye Protection

### Protection, sport and hobby safety spectacles

HIGH QUALITY ★★★★★

modern design, with clear or tinted anti-mist polycarbonate lens, protection against mechanical, optical and chemical hazards, optical grade 1

Art.-No.	Model			Barcode
378100	dark tinted, UV protection 400		Z24	
378110	clear, 100% UV protection		Z24	











EN 166



### Protective sport and leisure safety spectacles

PROFESSIONAL ★★★★★

modern design, choice of dark tinted, clear or contrast-enhancing light gold reflective coat versions, anti-mist polycarbonate lens, protection against mechanical, optical and chemical hazards, with UV protection 400, optical grade 1

Art.-No.	Model			Barcode
379810	dark tinted		3	
379820	clear		3	
379830	light gold		3	



EN 166, 1836



### Protection, sport and hobby safety spectacles, 4 pcs.

PROFESSIONAL ★★★★★

fashionable design, consisting of a basic frame, a clear-view screen, a tinted brown screen with UV 400 protection, and a belt carrying pouch. Both polycarbonate anti-fog glasses protect against mechanic, optical and chemical hazards. The temples of the basic frame can be adjusted to height in 2 steps and to depth in 3 steps to ensure optimal fit. In addition, the basic frame has 6 ventilation slots to always ensure high visibility, optical grade 1

Art.-Nr.	Content			EAN
376410	1 basic frame, 2 screens, 1 belt carrying pouch		3	



EN 166, 1836



## All round protection for trade and DIY

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### Disposable ear plugs

PROFESSIONAL ★★★★★



Soft plastic, gentle to the skin for extreme noise conditions, easily formed, fits optimal into the ear canal, one size fits all, in a storage box

Art.-No.	Content	SNR value	☑	☑	Barcode
375800	4	34 dB H: 34 dB / M: 30 dB / L: 27 dB	☑	Z6	4 009313 758000

CE

EN 352-2

### Disposable ear plugs, PROFI value pack

PROFESSIONAL ★★★★★



soft plastic, gentle to the skin for extreme noise conditions, easily formed, fits optimal into the ear canal, one size fits all, in a storage box

Art.-No.	Content	SNR value	☑	☑	Barcode
375810	20	34 dB H: 34 dB / M: 30 dB L: 27 dB	☑	Z6	4 009313 758109

CE

EN 352-2

### Hearing protection plugs, pair on cord

PROFESSIONAL ★★★★★



Soft plastic, gentle to the skin, Lamellas seal the ear canal without creating unpleasant pressure, strings for frequent interruption of wearing. One size fits all, washable, in a storage box

Art.-No.	Content	SNR value	☑	☑	Barcode
375900	2	28 dB H: 30 dB / M: 24 dB / L: 23 dB	☑	Z6	4 009313 759007

CE

EN 352-2

### Ear protection bracket, soft plastic, non-irritant

PROFESSIONAL ★★★★★



for work with constantly changing noise exposure, comfortable lightweight bracket, not deformable, no replacement plugs necessary, one size fits all, washable

Art.-No.	Content	SNR value	☑	☑	Barcode
372910	1	24 dB H: 27 dB / M: 18 dB / L: 18 dB	☑	4	4 009313 729109

CE

EN 352-2







## Hearing Protection

### Ear defenders, flexible frame, adjustable

HIGH QUALITY ★★★★★

for permanent use in noisy environments. Washable and replaceable inserts

Art.-No.	SNR value			Barcode
376010	25 dB H: 31 dB / M: 22 dB / L: 14 dB		Z2	





EN 352-1

### PROFESSIONAL ear defenders, flexible frame, adjustable

PROFESSIONAL ★★★★★

insulation cushion washable and exchangeable, high wearing comfort, e.g. for working with vibration plate or construction site compressor

Art.-No.	SNR value			Barcode
379010	28 dB/ H: 31 dB / M: 26 dB / L: 19 dB		1	



EN 352-1



# The appropriate set for any application





## All round protection for trade and DIY

### Nuisance dust mask M67, thick fleece filter, non-irritating

QUALITY ★★★★★



Protection against other persons, no respirator

Art.-No.	Content each pack			Barcode
376700	2		6	
376710	5		6	

### Fine dust mask FFP 1

PROFESSIONAL ★★★★★



Protection against solid and aqueous particles up to 4 x maximum allowable concentration (MAC value). Ranges of application: grinding, sweeping, cutting and drilling into concrete, plaster and masonry. Not suitable as a protection against poisonous gases and vapour. Ultrasound-welded elastic bands

Art.-No.	Content each pack			Barcode
379130	3		Z2	
379150	5		Z2	
379180	20 - bulk pack		Z2	

**CE**  
EN 149:2001-FFP1

### Fine dust mask FFP 2, with exhalation valve

PROFESSIONAL ★★★★★



Protection against less toxic, harmful solid and aqueous particles up to 10 x maximum allowable concentration (MAC value). Ranges of application: hard wood dust, quartz dust, welding smoke and oil smoke. Ultrasound-welded elastic bands

Art.-No.	Content each pack			Barcode
373220	2		Z2	
373230	3		Z2	
373280	10 - bulk pack		Z2	

**CE**  
EN 149:2001-FFP2

### Odour seal and fine dust mask FFP 2, with exhalation valve and activated charcoal filter

PROFESSIONAL ★★★★★



Protection against less toxic, harmful solid and aqueous particles up to 10 x maximum allowable concentration (MAC value). Ranges of application: hard wood dust, quartz dust, welding smoke and oil smoke. Ultrasound-welded elastic bands

Art.-No.	Content each pack			Barcode
379310	1		Z2	

**CE**  
EN 149:2001-FFP2



## Protective Masks

### Odour seal and fine dust mask FFP 3, with exhalation valve

Protection against harmful dust, smoke and aerosols up to 30 x maximum allowable concentration (MAC value), with exhalation valve. Ranges of application: oil fog and other aerosols, asbestos, stainless steel welding, working with biochemical substances. Ultra-sound-welded elastic bands


Art.-No.	Content each pack			Barcode
373410	1		Z2	



**CE**  
EN 149:2001-FFP3

### Breathing protection half mask

for exchangeable filter cartridges for the protection against gaseous and particulate pollutants. Moulds to the shape of the face, non-irritant, with head and neck bands

Art.-No.	Content each pack			Barcode
373500	1		1	







**CE**  
EN 140, EN 14387:2004



### A1-filter (brown) for protective half mask 373500

for protection from organic gases and vapours with boiling point above 65°C with slight absorption capacity. Application area: paint and adhesive with solvent content, plant protection and pest control.

Art.-No.	Content each pack			Barcode
373510	1 pair		1	




**CE**  
EN 14387:2004



### P3 R filter (white) for protective half mask 373500

for protection againsts particular substances from toxic to very toxic with high reception capacity up to 30-fold MAK value. Application area: Stainless steel welding, oil vapour, aerosols, asbestos, pharmaceuticals

Art.-No.	Content each pack			Barcode
373520	1 pair		1	



**CE**  
EN 14387:2004



## All round protection for trade and DIY

### A1, B1, E1, K1, P3 R filter for protective half mask 373500

PROFESSIONAL ★★★★★



brown, gray, yellow, green, white, for protection with high absorption capacity against organic, inorganic and acidic gases and vapours. Application area: Paint and adhesive with solvent content, plant protection and pest control, stainless steel welding, oil vapour, aerosols, asbestos, pharmaceuticals, chlorine, sulphur hydroxide, sulphur dioxide, blue acid and hydrogen chloride, ammonia, organic ammonia derivatives

CE  
EN 14387:2004



Art.-No.	Content each pack			Barcode
373530	1 pair		1	4 009313 735308

### Filter cartridges for protective mask 3795-00

HIGH QUALITY ★★★★★



Art.-No.	Model	Content each pack			Barcode
379510	Dust filter FFP2	1		1	4 009313 795104
379520	Combifilter for vapours and gases ABEK1	1		1	4 009313 795203

CE  
EN 149:2001-ABEK1

CE  
EN 149:2001-FFP2



### Safety set, 3-pieces

PROFESSIONAL ★★★★★



Ear protection with flexible headband, adjustable, insulation cushion washable and exchangeable. protective goggles blue transparent temple arms, side and eyebrow protection, colourless polycarbonate also for spectacle wearers. Fine dust mask FFP1, protection against solid and aqueous particles

CE  
EN 149:2001-FFP1

CE CE  
EN 352-1 EN 166

Art.-No.	Content			Barcode
375710	Hearing protection, Safety Goggles, Fine dust mask FFP1		1	4 009313 757102

### Safety set, 3-pieces, pink

PROFESSIONAL ★★★★★



Ear protection with flexible headband, adjustable, insulation cushion washable and exchangeable. Protective goggles colourless polycarbonate in modern design. Fine dust mask FFP1, protection against solid and aqueous particles

CE  
EN 149:2001-FFP1

CE CE  
EN 352-1 EN 166

Art.-No.	Content			Barcode
375720	Hearing protection, Safety Goggles, Fine dust mask FFP1		1	4 009313 757201

## Safety Helmets

### Safety helmet with clear visibility visor

Adjustable head band, replaceable visor, adjusts to every head size, can be flipped upwards

Art.-No.	shield			Barcode
379600	345 x 200 mm		1	



### Replacement visor for safety helmet 3796-00

PROFESSIONAL ★★★★★







transparent

Art.-No.	Size			Barcode
379620	345 x 200 mm		1	



### Work helmet, with plastic sweatband, adjustable

PROFESSIONAL ★★★★★

Art.-No.	Content			Barcode
379900	Yellow		1	
379910	Blue		1	
379920	white		1	
379930	red		1	



### Forest worker set

PROFESSIONAL ★★★★★

Indispensable when using the chain saw. Set consists of: Safety helmet with face shield, ear defenders, 1 pair of gloves „Criss Cross“. Adjustable visor. Protection level of ear defenders: 22 dB. Wearing of protective equipment is mandatory.

Art.-No.	Content			Barcode
379280	Head- and face protection, hearing protection, gloves		1	





## All round protection for trade and DIY

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### Welding protection visor

PROFESSIONAL ★★★★★



with hand guard, made of PVC, for athermal glass protective visor and removable clear visibility glass panel, for electro welding up to 39 amperes

Art.-No.	Content			Barcode
379700	without replacement glass		1	4 009313 797009



### Replacement glasses for welding protection visor, 3797-00

HIGH QUALITY ★★★★★



protection visor made of athermal glass with removable glazing panel, for electric welding up to 39 ampere

Art.-No.	Content			Barcode
379720	1 Athermal glass, 1 clear visibility glass		6	4 009313 797207



### Professional welding protection helmet, with electronic aperture protection filter

PROFESSIONAL ★★★★★



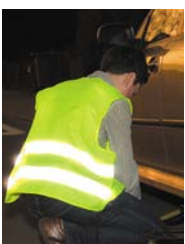
Filter level 3/11, high comfort, aperture protection filter to levels 9-13 or quick step 11, automatic dimming during electric arc welding, can be flipped upwards, adjustable head band

Art.-No.	Content			Barcode
379400			1	4 009313 794008



### High-visibility waistcoat, yellow

PROFESSIONAL ★★★★★



Obligatory for drivers in many countries, also for safety in DIY use


Art.-No.	Content			Barcode
376300			1	4 009313 763004



## Safety Helmets / Kneepads

### Kneepad for tilers

water-repellent outer cap and gel foam backing, super lightweight, ideal for tiling, working in the garden and other kneeling work, with wide strap and hook-and-loop fastener for good fit on the knee, thus improving the blood circulation when kneeling, acc. to DIN EN 14404, offers protection against cuts and stitches when kneeling on grounds, performance categorie 1

Art.-No.	Content			Barcode
923920	1 pair		1	 4 009319 239206



### Kneepad Kniefix-Super +

PROFESSIONAL ★★★★★

consisting of polyurethane, ideal for tiling, working in the garden and other kneeling work, leaves no marks on the floor when skidding, with wide, universally adjustable rubber straps for better fit on the knee, thus improving the blood circulation when kneeling, acc. to DIN EN 14404, offers protection against cuts and stitches when kneeling on the grounds, performance categorie 1




Art.-No.	Content			Barcode
922420	1 pair		1	 4 009319 224202



### Kneepad Kniefix-Gelenk

PROFESSIONAL ★★★★★

consisting of hard shells with a hinge and cushioned backing of closed cellular foam, high degree of mobility and anti-slip profile at the knee surface, ideal for tiling, working in the garden and other kneeling work, moisture and dirt-repellent, with wide, universally adjustable straps for better fit on the knee, thus improving the blood circulation when kneeling, acc. to DIN EN 14404, offers protection against cuts and stitches when kneeling on the grounds, performance categorie 2

Art.-No.	Content			Barcode
922500	1 pair		1	 4 009319 225001



## All round protection for trade and DIY

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### Builder's glove, cotton-lined nitrile, partly coated, lined interior

PROFESSIONAL ★★★★★



ideal protection for jobs with paving slabs and blocks, construction and oily jobs, resistant to oils and greases, liquid repellent

Art.-No.	Size			Barcode
930840	XL / 10		6	4 009319 308407



### Tile/building-glove, latex with high-quality cotton lining

PROFESSIONAL ★★★★★



Cuff 30 cm, ideal for construction work, tile-laying, craft and agriculture

Art.-No.	Size			Barcode
931030	L / 9		6	4 009319 310301
931040	XL / 10		6	4 009319 310400



### Knitted gloves, latex coated palms

PROFESSIONAL ★★★★★



Suitable for outdoor tasks involving sharp edges, including paving

Art.-No.	Size			Barcode
937430	M / 8		6	4 009319 374303
937440	L / 9		6	4 009319 374402
937450	XL / 10		6	4 009319 374501



### Knitted winter gloves

PROFESSIONAL ★★★★★



with a super-soft and thick water-repellent latex coating on the inner surface, special protection when working with sharp-edged objects in the cold season, such as outdoor installation work, scaffolding, winter service, excellent fit with maximum grip also at low temperatures, breathable, bright orange knitted back of the hand, pleasant, insulating wear comfort, colour: black/neon-orange

Art.-No.	Size			Barcode
937520	M / 8		6	4 009319 375201
937530	L / 9		6	4 009319 375300
937540	XL / 10		6	4 009319 375409
937550	XXL / 11		6	4 009319 375508















## Protective Glove

**kwib**<sup>®</sup>  
GERMANY GMBH

### Knitted winter gloves, waterproof

PROFESSIONAL ★★★★★

with super soft, thick latex foam coating as well as waterproof complete protection, protects especially when working with sharp-edged objects in the cold season, such as e.g. installations in the open air, scaffolding, winter service. Very good fit and grab especially in cold temperatures, short-term protection up to -30 °C, breathable knitted trim, very pleasant wear comfort.







Art.-No.	Size			Barcode
937620	M / 8		6	
937630	L / 9		6	
937640	XL / 10		6	
937650	XXL / 11		6	



### Mechanics glove, strong and supple goat leather

PROFESSIONAL ★★★★★

with Velcro wrist fastener, guaranteed free from chrome 6, high grip and good sensitivity, optimum for precision jobs, fine mechanical work and assembly







Art.-No.	Size			Barcode
937230	L / 9		6	
937240	XL / 10		6	

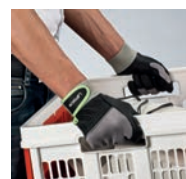


### Stretch synthetic leather glove

PROFESSIONAL ★★★★★

with Velcro wrist fastener, very good sensitivity, good grip and feel, suitable for all assembly and fine mechanical jobs

Art.-No.	Size			Barcode
937330	L / 9		6	
937340	XL / 10		6	



## All round protection for trade and DIY

**kwib**<sup>®</sup>  
GERMANY GMBH

### Mechanics glove, high-quality synthetic leather

PROFESSIONAL ★★★★★



with Velcro wrist fastener, reinforced palm, knuckle protection, suitable for general tasks



Art.-No.	Size			Barcode
934810	S / 7		6	
934820	M / 8		6	
934830	L / 9		6	
934840	XL / 10		6	
934850	XXL / 11		6	

### Mechanics glove

PROFESSIONAL ★★★★★



secure protection when reaching into sharp objects, due to the protectors on the fingers and on the back of the hand. Suited for mechanical engineering. Outstanding fit, thanks to soft and elastic palm material and the elastic back of the hand, padded palm reinforcement by means of additional imitation leather applications, with velcro fastener at the wrist joint



EN 420



Art.-No.	Size			Barcode
935730	L / 9		6	
935740	XL / 10		6	
935750	XXL / 11		6	

### SPYDER MAX gloves

PROFESSIONAL ★★★★★



Universal installation gloves. Nitrile fine-knit gloves with hook-and-loop fastener at the wrist, palm and fingertips with liquid-repellent nitrile coating, patented coating at the knuckles, good grip and sensing properties, suitable for any installation work



EN 388



Art.-No.	Size			Barcode
936320	M / 8		6	
936330	L / 9		6	
936340	XL / 10		6	

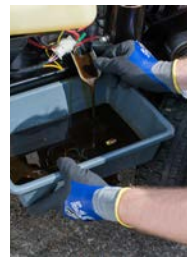
## Protective Glove

### Aqua-Oil Intact 2.0 gloves

PROFESSIONAL ★★★★★

for working with slightly oily and wet objects. Nylon gloves with complete nitrile coating on both sides, oil-resistant and liquid-proof coating, excellent fit and sensing properties, in particular good grip for dry, wet and oil work, in workshops, industry and household

Art.-No.	Size			Barcode
935330	L / 9		6	4 009319 353308
935340	XL / 10		6	4 009319 353407



### Ni-Thermo fine-knit gloves

PROFESSIONAL ★★★★★

Nitrile fine-knit gloves with circumferentially knitted trim, palm and fingertips with specially foamed nitrile coating and additional nubs. Ideal for working with warm and hot objects which need to be moved and touched for a short time, heat-resistant up to 150 °C acc. to EN 407

Art.-No.	Size			Barcode
935230	L / 9		6	4 009319 352301
935240	XL / 10		6	4 009319 352400



### Knitted gloves for women and men

HIGH QUALITY ★★★★★

stippled palm. The ideal glove for jobs with high mechanical load, PVC stipples on the palm give a secure grip on smooth and slippery objects

Art.-No.	Size			Barcode
931621	M / 8		12	4 009319 316211
931631	L / 9		12	4 009319 316310
931641	XL / 10		12	4 009319 316419



### Universal knitted glove, for women and men

HIGH QUALITY ★★★★★

acrylic, stippled palm, very elastic - one size fits all, PVC stipples on the palm give a secure grip on smooth and slippery objects

Art.-No.	Size			Barcode
936241	universal		6	4 009319 362416





# All round protection for trade and DIY

## Fine knitted glove

HIGH QUALITY ★★★★★



suitable for industrial and electronics jobs where components must not be contaminated, lint-free, secure grip, fit like a second skin

Art.-No.	Size	☑	📦	Barcode
930130	L / 9	☑	12	4 009319 301309
930140	XL / 10	☑	12	4 009319 301408



## Fine knitted glove, Hi-Tec

PROFESSIONAL ★★★★★



lint-free, grey polyurethane coating, seamless, made of nylon, suitable for electrical work and dry construction, good sense of touch

Art.-No.	Size	☑	📦	Barcode
930220	M / 8	☑	12	4 009319 302207
930230	L / 9	☑	12	4 009319 302306
930240	XL / 10	☑	12	4 009319 302405



## Fine knit glove, touch-screen

PROFESSIONAL ★★★★★



Lint-free fine knit touch-screen glove. Conductive material knitted in the fingertips allows for the operation of all smartphones, tablets and screens with touch function. Inner lining of grey polyurethane, seamless nylon, very good fit with high wear comfort, suitable for various applications in electronics, dust-free rooms, installations, high-tech and pharmaceutical industry.

Art.-No.	Size	☑	📦	Barcode
934730	L / 9	☑	6	4 009193 47307
934740	XL / 10	☑	6	4 009193 47406



## Cut protection glove

PROFESSIONAL ★★★★★



suitable for use in the electrical industry, vehicle construction/aircraft construction, hand-craft, mechanical engineering and the metal processing industry, 100% heavy duty cut protection fibres, black-grey polyurethane palm coating with very good puncture protection (class 5), a very good sense of touch, abrasion resistance and good fit, secure grip

Art.-No.	Size	☑	📦	Barcode
931730	L / 9	☑	6	4 009319 317300
931740	XL / 10	☑	6	4 009319 317409



## Protective Glove

### Disposable glove, vinyl, seamless, reversible

QUALITY ★★★★★

for household, cleaning and painting jobs; basic protection for refuelling and oily jobs, powder free, food approved, Latex-free

Art.-No.	Size			Barcode
933821	M / 8		1	
933831	L / 9		1	
933841	XL / 10		1	

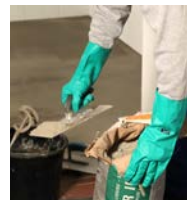


### Green nitrile gloves

PROFESSIONAL ★★★★★

these gloves have velour flocking inside and honeycomb weave outside for very good grip when wet. Free of latex and therefore well suited for allergic persons, can be used in the food sector, catering, as well as in areas with chemicals and microorganisms, e.g. when mixing mortar.

Art.-No.	Size			Barcode
931230	L / 9		6	
931240	XL / 10		6	



### Installation gloves, acid-proof, neoprene, long sleeve

PROFESSIONAL ★★★★★

ideal for any work with acids, thinners, pickling agents and enamels., honeycomb pattern for a very good wet grip

Art.-No.	Size			Barcode
931330	L / 9		6	
931340	XL / 10		6	



### Welder's gloves, lined calf leather, cuff 35 cm

PROFESSIONAL ★★★★★

for welding, metal and steel processing, foundry, iron bending.

Art.-No.	Size			Barcode
931140	XL / 10		6	



## All round protection for trade and DIY

**kwib**<sup>®</sup>  
GERMANY GMBH

### Leisure gloves, for women and men

PROFESSIONAL ★★★★★



high-quality synthetic leather, lined and with hook-and-loop fastener at the wrist. All-purpose application for household, garden, leisure, good sense of touch, good fit.



Art.-No.	Model	Size			Barcode
930410	Yellow	S / 7		6	4 009319 304102
930430	Black	L / 9		6	4 009319 304300
930440	Black	XL/10		6	4 009319 304409
930450	Black	XXL / 11		4	4 009319 304508

### Garden gloves „FOREST“

PROFESSIONAL ★★★★★



for men and women, high-quality synthetic leather, breathable. Protection when working in the garden and forest, good sense of touch, perfect fit, elastic spandex top side.



Art.-No.	Size			Barcode
933920	M / 8		6	4 009319 339203
933930	L / 9		6	4 009319 339302
933940	XL / 10		6	4 009319 339401

### Plastic gloves, tough

PROFESSIONAL ★★★★★



ideal protection for working in garden and forest, good sensing ability, perfect fit, elastic spandex back.



Art.-No.	Size			Barcode
930540	XL / 10		6	4 009319 305406

### Work gloves, heavy-duty calf leather, interior lining

PROFESSIONAL ★★★★★



Gloves Driver, ideal protection for working in the garden, forest and at construction sites, elastic band on the back









Art.-No.	Size			Barcode
937030	L / 9		6	4 009319 370305
937040	XL / 10		6	4 009319 370404



## Protective Glove

### Grain leather glove, cowhide full leather, pliant, interior lined

ideal protection for tasks in the garden and forest, elastic band on the back











Art.-No.	Size			Barcode
937140	XL / 10		6	
937150	XXL / 11		6	



### Work glove, knitted with special latex palm coating

HIGH QUALITY ★★★★★

Ideal for manual work indoors and outdoors, very good fit, outstanding grip for both wet and dry jobs, water-repellent inner palm, breathable back











Art.-No.	Size			Barcode
933510	S / 7		6	
933520	M / 8		6	
933530	L / 9		6	
933540	XL / 10		6	



### Work glove, knitted with special latex palm coating

HIGH QUALITY ★★★★★

ideal for handwork and assembly tasks, very good fitting form, especially good grip for both wet and dry jobs, water-repellent inner palm, breathable back





Art.-No.	Size			Barcode
935410	S / 7		6	
935420	M / 8		6	
935430	L / 9		6	
935440	XL / 10		6	



### Knitted work glove with honeycomb pattern coating CRISS CROSS

PROFESSIONAL ★★★★★

ideally suited for jobs with slippery objects, very good fit and secure handling; can be worn inside out

Art.-No.	Size			Barcode
936041	XL / 10		6	



# All round protection for trade and DIY

## Planting gloves

PROFESSIONAL ★★★★★



moisture-proof, cotton, with knitted cuffs, knitted cuffs partly nitrile coated. Ideal for all moist work with plants and in the garden, dipped 2 times, resistant to oils and greases



Art.-No.	Size			Barcode
931910	S / 7		6	
931920	M / 8		6	
931930	L / 9		6	
931940	XL / 10		6	

## Garden, work and knitted gloves – fine grip

HIGH QUALITY ★★★★★



Nitrile coating on the palm side. Ideal for garden, field or installation work in autumn and winter, excellent fit, perfect grip for dry and wet work.



Art.-No.	Size			Barcode
935820	M / 8		6	
935830	L / 9		6	
935840	XL / 10		6	

## Garden gloves

PROFESSIONAL ★★★★★



Professional gloves for gardening, fine-knit, seamless, back of the hand partly coated with latex foam, good fit.



Art.-No.	Size			Barcode
935910	S / 7		6	
935920	M / 8		6	
935930	L / 9		6	
935940	XL / 10		6	

## Children's garden gloves

HIGH QUALITY ★★★★★



Professional gloves for gardening, fine-knit, seamless, back of the hand partly coated with latex foam, good fit.

*This child gardening glove does not fall within the category of occupational safety and as such does not correspond with the requirements regarding personal protective equipment*



Art.-No.	Size			Barcode
936110	S / 7		6	

## Protective Glove

### Childrens knitted gloves

HIGH QUALITY ★★★★★

all-purpose leisure gloves with slip-resistant coating, interchangeable.

*This child gardening glove does not fall within the category of occupational safety and as such does not correspond with the requirements regarding personal protective equipment*



Art.-No.	Size			Barcode
935110	S / 7		Z36	4 009319 351106

### Household gloves, Latex, velour flocking inside

HIGH QUALITY ★★★★★

for work in household, staff canteen, for home improvement, cleaning work

Art.-No.	Size			Barcode
933620	M / 8		6	4 009319 336202
933630	L / 9		6	4 009319 336301
933640	XL / 10		6	4 009319 336400



### Latex household gloves

QUALITY ★★★★★

cotton coating inside, smooth, pleasant wear comfort, grip profile on the palm of the hands, suitable for all cleaning and maintenance work in household, workshop, office.

Art.-No.	Size			Barcode
933615	S / 7		12	4 009319 336158
933625	M / 8		12	4 009319 336257
933635	L / 9		12	4 009319 336356
933645	XL / 10		12	4 009319 336455



# Overview of pictograms, categories and European standards

## Standards and pictograms for protective gloves

The performance level of the gloves is indicated through pictograms and other visuals.

**Protective gloves are required today in most commercial activities, and are prescribed for certain areas of work. CE standards lay down the correct usage for each type of glove.**

These standards are determined in the EU (E 420 - General requirements for gloves) and state the following:

- EN 388 - Mechanical risks
- EN 374 - Chemicals and microorganisms
- EN 407 - Thermal risks
- EN 12477 - Protective gloves for welders
- EN 511 - Protection against cold weather

Here 3 categories are distinguished:

Category	Description
I	EN 420 - Protection from low risks
II	EN 388 - Protection from medium mechanical risks
III	EN 372 - Protection from high risks such as chemicals and microorganisms



**The product corresponds to the European directives.**

EN 420

### General requirements for protective gloves

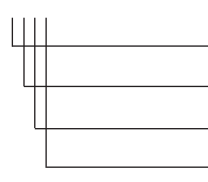
Standard for all applicable relevant test procedures and general requirements for design principles, glove manufacture and resistance of the glove material against water penetration, non-toxicity, comfort and productivity; as well as the designation by the manufacturer and information to be provided by the manufacturer



### Protective gloves against mechanical risks

Gloves offering protection against mechanical risks must achieve at least performance level 1 in at least one of the following: resistance to abrasion, cutting, perforation by sharp objects or tear propagation. In accordance with EN420 the performance levels are based on the results of laboratory tests which may not correspond exactly with real workplace situations.

e.g.



Test criteria	evaluation possibilities
Abrasion resistance	0 – 4
Resistance to cutting	0 – 5
Tear propagation resistance	0 – 4
Resistance to puncture	0 – 4

**the greater the figure, the better the test result**

**Please be aware that these data and standards serve only as a guide. It remains the responsibility of the user to check the suitability of the glove for the proposed usage.**



## Protective gloves against chemicals and microorganisms

### Classification

**EN 374**

DIN E 374 is classified in three parts. The classification determines user's requirements on gloves that protect against chemicals and/or microorganisms.

- 374-1:2003 Resistant against chemicals.
- 374-2:2003 Resistant against microorganisms against penetration (tightness) through porous points, seams, needle holes, or other defects in a protective glove.
- 374-3:2003 Resistance against chemicals when the glove requires at least level 2 of the permeation (breakthrough time), until the chemical permeates the glove material in 6 levels.



### Chemicals

Permeation is measured in the time that the chemical requires to permeate the glove.

Estimation possibilities 0 – 6

The smaller the number, the shorter the time required for chemical to penetrate the material.

### Test criteria chemical dangers

Performance level	Breakthrough time
1	> 10 minutes
2	> 30 minutes
3	> 60 minutes
4	> 120 minutes
5	> 240 minutes
6	> 480 minutes

### Organisms



Penetration designates the penetration of a chemical and/or a microorganism. The glove must be liquid tight and fulfil at least level 2 of leakage tightness test. This test results based on the AQL value (acceptance quality level) according to ISO 2859. This is measured in three steps.

Evaluation possibilities 0 – 3

Acceptable quality level (AQL). The percentage data indicates the maximum number of defective gloves of a lot or a charge.

### Test criteria

Performance level	AQL-Wert
Level 3	< 0,65 %
Level 2	< 1,50 %
Level 1	< 4,00 %

A protective glove is considered as resistant against chemicals when it fulfils at least level of 2 of the tightness and contains three test chemicals of the introduced table.

character	chemical	character	chemical
A	methanol	G	diethyl amine
B	acetone	H	tetrahydrofuran
C	acetonitrile	I	ethyl acetate
D	dichloromethane	J	n-heptanes
E	carbon disulphide	K	caustic soda 40 %
F	toluene	L	sulphuric acid 96 %

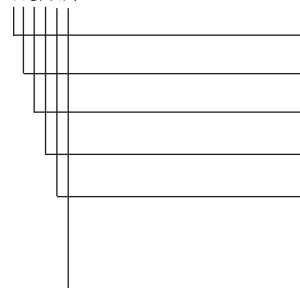
## Protective gloves against heat and fire



e.g.



413X4X



Test criteria	evaluation possibilities
Fire behaviour	0 – 4
Contact heat	0 – 4
Convective heat	0 – 4
Radiation heat	0 – 4
Load through small splash of molten metal	0 – 4
Load through large quantities of liquid metal	0 – 4

X = in this criterion, no test was carried out

**the greater the figure, the better the test result**

# Standards and pictograms for protective gloves

## Protective gloves for welders

EN 12477



protective gloves for welders are subdivided in versions A and B. Both versions must be tested in the following criteria and reach the respective least performance levels according to version.

Requirements	Test according to CE standard	least performance levels	
		A	B
Abrasion resistance	EN 388	2	1
Impact cut resistance	EN 388	1	1
Tear propagation resistance	EN 388	2	1
Puncture resistance	EN 388	2	1
Fire behaviour	EN 407	3	2
Contact heat resistance	EN 407	1	1
Convection heat resistance	EN 407	2	0
Resistance against small splashes of molten metal	EN 407	3	2
Dexterity	EN 420	1	4

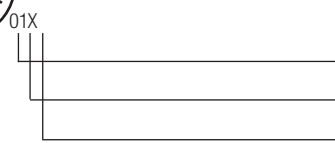
Upon passing the test, the gloves are designated with the number of the standard and the letter of the version. Example: *EN12477-A* or *EN12477-B*. The requirements for version A are higher than those of version B!

## Protective gloves against cold weather

EN 511



e.g.



Test criteria	possible performance levels
Convective cold	0 – 4
Contact cold	0 – 4
Waterproof	0 – 1

**the greater the figure, the better the test result**

# The kwb guidance system for easy finding the necessary gloves

**A code of characters and numbers leads the customer to the desired gloves!**

**i A 20**

**A** = Work and construction gloves

**i C 21**

**C** = Chemical-resistant gloves

**i F 23**

**F** = Precision work gloves

**i G 25**

**G** = Gardening gloves

**i H 21**

**H** = Household gloves

**i M 29**

**M** = Mechanic's gloves

**i S 20**

**S** = Special gloves

The character in the code also is always the initial letter of the particular topic and identifies the different applications of the gloves.

The supplementary numerical code on the side label provides for easy finding the gloves in the shelf.

# Standards for protective masks

The protective mask is based on the European standard EN 149: 2001 + A1: 2009 in three filter classes:

- FFP** = **F**ine **F**iltering **P**article
- FFP 1** = Filter class stands for protection against non-polluting coarse dust up to 4-fold MAK value\*  
Fields of application:  
Grinding, sweeping, cutting and drilling in concrete, plaster and masonry
- FFP 2** = Filter class stands for protection against materials hazardous to health ("less poisonous") or carcinogenic dusts up to 10-fold MAK value\*.  
Fields of application:  
Hard wood dust, quartz dust, welding smoke and oil smoke
- FFP 3** = Filter class stands for protection of the respiratory tract against poisonous and very poisonous materials up to 30-fold MAK value\*.  
Fields of application:  
Oil fog and other aerosols, asbestos, stainless steel welding, work with biochemical materials

\* maximum workplace concentration

# Standards for eye protection

- EN 166** **Personal eye protection**  
- general requirements
- EN 1731** **Eye protection and face protection made of wire fabric for protection against mechanical danger**
- Optical evaluation classes according to EN 166**
- 1** = For tasks with especially high demands on visual performance
- 2** = For tasks in average demands on visual performance
- 3** = Only in exceptional cases without demands on visual performance

# Standards for safety helmet

- EN 397** **Industrial helmets**  
Helmets should not be used longer than 4 years in daily application.

# Standards for hearing protection

- EN 352-1** **Hearing protectors ear muffs**
- EN 352-2** **Hearing protection - ear plugs**
- EN 352-3** **Hearing protectors - ear muffs for helmets**

**dB(A)** The noise load for human ear is measured in sound pressure level. The sound pressure level is indicated in decibel = dB (A). From 85 dB (A), the human ear is endangered. The lowest tone is about 0 dB (A). From a sound pressure level of 120 dB (A), the ear can be damaged.

**SNR value**

**X dB** The signal-noise-ratio (Signal to Noise Ratio) is the mean measure of noise power and is indicated in decibel (dB). The statement of the SNR value reduces the sound pressure level (dB (A)) by the indicated value. For example, a hammer drill with sound pressure level of 100 dB (A) is reduced with the SNR value of 28 dB to 72 dB. In addition, the statements H (High) indicate the high frequencies, M (medium), the entire frequency spectrum and L (Low) the low frequencies.

**SPECIAL  
EDITION**

## SAFETY SET, 3 PIECES

- Hearing protection
- Safety Goggles
- Fine dust mask FFP1



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