FEARLESS PERFORMANCE®

GranberG®

PRODUCT CATALOGUE 2023

ENG

www.granberggloves.com

OUR PASSION FOR FEARLESS HAND PROTECTION

Our journey started in a small village called Bjoa, in Norway, by a man named Paul Granberg. He dreamt of creating a better life for his family. His vision contributed to a safer community with his understanding of the need for hand protection for workers in the fast-growing industries of the 60s.

The same idea has been at the heart of our business since the beginning, continuing with the second and third generations of the Granberg family members running the business.

Over the years, guided by the same passion and drive, our goal for hand protection has grown continuously, and our focus has been helping workers achieve whatever tasks need to be performed fearlessly.

We have taken pride in our history as a symbol of our determination as we grew and evolved into a leading supplier of hand protection for various professional areas. We have taken pride in our history as a symbol of our determination as we grew and evolved into a leading supplier of hand protection for various professional areas.

After 60 years in the industry, we are continuously committed to developing new product ranges of gloves while constantly discovering new and innovative solutions for hand safety and protection without sacrificing comfort and function.

We have one of the best and most dedicated R&D teams equipped with state-of-the-art facilities and a laboratory, relentlessly developing new and improved functions for our gloves, perfecting designs, and fitting.

In addition, we are also focusing our efforts on sustainability, CSR and ethical trading, as our hallmark in the coming years – in collaboration with our subcontractors and customers.

Today, as we continue our journey, you can trust us to provide you with the best hand protection that will help you perform with «Fearless Performance».

With Granberg – your hands are safe!

Best regards

Ole Marthon Granberg
CEO

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OUR CORE VALUES

... express what we at Granberg is, and what characterizes our business in both Norway and elsewhere in the world. The foundation of our core values is crucial for our success over time in competitive environments.

HONESTY

BE HONEST AND REAL,
WITH INTEGRITY IN EVERYTHING YOU DO.

COURAGE

BE BRAVE.
BIG THINGS ARE REALIZED BY
THOSE WHO DARE.

PASSION

BE PASSIONATE.
DIVE INTO WORK WITH HEART AND SOUL.

TEAMWORK

BE A TEAM PLAYER.
TOGETHER WE ACCOMPLISH MORE.

AWARD-WINNING GLOVES

DESIGN MEETS PERFORMANCE AND FUNCTIONALITY

reddot winner 2022

ART. 115.3260
CUT, IMPACT, AND WATER-RESISTANT GLOVES

Gloves with impact protection and cut level D.
Waterproof and breathing ProTex® membrane keeps your hands dry and warm.
Made with goatskin.

Read more on page 29/45.

ART. 115.3270W
CUT, IMPACT, AND WATER-RESISTANT GLOVES

Gloves with impact protection and cut level D.
Waterproof and breathing ProTex® membrane keeps your hands dry and warm.
Made with goatskin.

Read more on page 29/45/60.

ART. 115.4999W
CUT, IMPACT, AND WATER-RESISTANT GLOVES

Gloves with impact protection and cut level D.
Waterproof and breathing ProTex® membrane keeps your hands dry and warm.
Made with MicroSkin Shield®.

Read more on page 29/46/60.

EX®
BY GRANBERG

THE GRANBERG MANIFESTO:

BOLD BLOOD

FOR SOME PEOPLE, STAYING SAFE MEANS STAYING OUT OF HARM'S WAY.

It means living in the comfort zone,
Where they do not have to think about risk
– about danger.
For some people, this is fine.
But there are some who understand
That if people want to stay in
The comfort zone – the safe zone,
Someone else must get in harm's way.
Not for the thrill of it.
Not as a joke.
But because there is a job to be done.
And someone has to do it:
Someone with bold blood,
Who does not choose the easy route,
But adventure;
Who can be called upon,
And relied upon,
When there is difficult work to be done.
Not because no one else is willing,
But because no one else is better.
For some people, staying safe
Does not mean staying out of harm's way:
It means braving the way
Safely.

WE KNOW THEM. THEY KNOW US. THE BLOOD THAT RUNS THROUGH THEIR VEINS ALSO RUNS THROUGH OURS.

GranberG®

FEARLESS PERFORMANCE®

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EXTREME-FIT ASSEMBLY GLOVES

IT IS NOT REALLY A PROTECTIVE GLOVE WITHOUT BEING PROPERLY MARKED

The CE shown below mark is used primarily in the European Union (EU) and the European Economic Area (EEA).

The CE marking on a product is acting as a declaration that the manufacturer or its representative guarantees that the product meets all the requirements of the relevant EU directives and regulations.

The EN 420 standard addresses all the general requirements for protective gloves.

Protective gloves are divided into three categories according to the level of risk they are meant to protect against.

CE **CAT I** | Minimal risk

CE **CAT II** | Medium risk

CE **CAT III** | Irreversible damage or death

This is to be able to adapt the procedures for assessment and quality assurance of the gloves to different needs of protection.

WEARING THE RIGHT GLOVE SIZE IS IMPORTANT

If a glove is too loose, your grip may be poor and it may also get stuck in machinery or other objects which can lead to injury.

Staying safe should always be a top priority!

SIMILAR, BUT REALLY DIFFERENT

Use the list below to compare the properties of the products.

				Coating/Dipping				Grip			
Art.no	Winter lined	Seamless	Velcro Closure	PU	PVC/Vinyl	Nitrile	Latex	Dry	Wet	Oil	More
100.0401		●		●				●	●		Food approved
100.0433		●		●				●	●		
100.0480		●		●				●	●		Touchscreen compatible
100.0850		●		●				●	●		ESD protection
101.4295			●					●			Natural leather
101.4295W	●		●					●			Natural leather
107.4201								●			Touchscreen compatible
107.4202	●							●	●		Touchscreen compatible
107.4295			●					●	●		
107.4297			●					●	●		
107.4297W	●		●					●	●		Waterproof
107.4299								●	●		Touchscreen compatible
107.7114	●							●	●		Waterproof
107.8888			●					●	●		Touchscreen compatible
108.0600		●					●	●	●		Bamboo viscose lining
108.8070							●	●	●		Waterproof
108.8080	●	●					●	●	●	●	Waterproof
109.0400		●			●			●	●	●	Oeko-Tex® approved
109.0400W	●	●			●			●	●	●	Oeko-Tex® approved
113.1010								●	●		Natural leather
113.1015	●							●	●		Natural leather
113.1020								●	●		Natural leather
113.1024								●	●		Natural leather
113.1040			●					●	●		Natural leather
113.1045	●		●					●	●		Natural leather
113.1053	●							●	●		Natural leather
113.4295			●					●	●		Natural leather
113.4296								●	●		Natural leather
114.0488W	●	●				●		●	●		
114.0490		●				●		●	●	●	Waterproof
114.0550		●				●		●	●	●	Dots, Oeko-Tex® approved
114.0744						●		●	●	●	Touchscreen compatible
114.0755		●				●		●	●		
114.0766		●				●		●	●	●	Oeko-Tex® approved
114.0822		●						●			
114.0933		●				●		●	●	●	Oeko-Tex® approved
114.3030	●	●				●		●	●	●	
114.4272W	●		●			●		●	●		
114.4279						●		●			
115.5502						●		●	●		Impact protection
120.1118			●					●	●		
120.4271								●			Silicon print in palm
120.4273			●					●			Silicon print in palm
120.4281								●			
120.4282	●							●			
120.4283			●					●			
120.4284	●		●					●			
120.4291								●			
120.4292W	●							●			
120.4293			●					●			
120.4294W	●		●					●			

FOOD APPROVED REUSABLE GLOVES, OEKO-TEX® 100 APPROVED

Foam water-based polyurethane coating.

- Food approved.
- Excellent dexterity, highly durable and breathable.
- Well fitted and soft.
- Does not contain DMF, odour free.
- Machine washable at 60 °C.

Suitable for: Stores | Catering | Food industries | Assembly and finishing | Handling/cleaning/repairing food-oriented machinery etc.

May not be used in direct contact with fatty foods.

EN420:2003+A1:2009 EN388:2016+A1:2018

4121X

GranberG®	
Standards:	EN 420, 388:2016, 1186
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11 | 12
Material:	Water-based PU
Lining:	Nylon/Spandex®
Colour:	Blue
Thickness:	
Length:	21-27 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**100.0401**

ASSEMBLY GLOVES, OEKO-TEX® 100 APPROVED

Polyurethane coating.

- Highly durable and breathable.
- Ideal for precision work.

Suitable for: Detailed assembly with requirements to good touch sensitivity | Transport/warehousing | Car workshops | Plastic industries, etc.

EN420:2003+A1:2009 EN388:2016+A1:2018

3121X

GranberG®	
Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11
Material:	PU
Lining:	Polyester
Colour:	Grey
Thickness:	
Length:	23-28 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**100.0433**

TOUCHSCREEN COMPATIBLE ASSEMBLY GLOVES

Polyurethane coating.

- Recommended when operating touch screen devices.
- Great dry grip.
- Excellent dexterity and breathability.
- An extra thin 18-gauge nylon liner ensures extra softness and flexibility.

Suitable for: Touch screen applications | Assembly and finishing | Light fabrication| Assembly of white goods | General site and factory maintenance.

EN420:2003+A1:2009 EN388:2016+A1:2018

1120X

GranberG®	
Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11
Material:	PU
Lining:	Nylon
Colour:	Black
Thickness:	
Length:	23-29 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**100.0480**

ESD GLOVES, OEKO-TEX® 100 APPROVED

Polyurethane coating.

- Dissipative effect to minimise the occurence of Electro Static Discharge and stable in terms of anti-static properties.
- ESD approved.

Suitable for: Assembly in the electronics industry | Handling of photographic film | Optics | Laboratories.

Vertikal motstand i samsvar med EN 16350:2014.
Spenningsresistens (ohm) 11.4 x 10^6.

EN420:2003+A1:2009 EN388:2016+A1:2018

3131X

ESD GranberG	
Standards:	EN 420, 388:2016, 16350
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10
Material:	PU
Lining:	Nylon
Colour:	White, Grey
Thickness:	
Length:	22-26 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**100.0850**

ASSEMBLY GLOVES

Pig grain leather with cotton back and Velcro closure, unlined.

- Ideal for work that requires precision and touch sensitivity.

Suitable for: Assembly/fine work.

Design Protected.

EN420:2003+A1:2009 EN388:2016

3111X

Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11 | 12
Material:	Pig grain (Palm) Cotton (Back)
Lining:	Unlined
Colour:	White, Red
Thickness:	0,8-0,9 mm
Length:	19-25 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**101.4295**

ASSEMBLY WINTER GLOVES

Pig grain leather with cotton back and Velcro closure, winter lined.

- Ideal for work that requires precision and touch sensitivity.
- Provides thermal insulation.

Suitable for: Assembly/fine work in cold conditions.

Design Protected.

EN420:2003+A1:2009 EN388:2016 EN 511:2006

3121X 11X

Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	8 | 9 | 10 | 11
Material:	Pig grain (Palm) Cotton (Back)
Lining:	Cotton fleece (Fully lined)
Colour:	White, Black
Thickness:	0,8-0,9 mm
Length:	21-23 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**101.4295W**

TOUCHSCREEN COMPATIBLE ASSEMBLY GLOVES

MicroSkin Shield® material, elastic polyester back.

- Recommended when operating with touch screen devices.
- Anti-slip pattern in the palm provides enhanced grip.
- Comfortable and fitted.
- Ideal for work that requires precision and accuracy.
- Good breathability.

Suitable for: Touch screen applications | Light and medium fabrication | General assembly | Automotive manufacturing | Inspection/control, etc.

EN420:2003+A1:2009 EN388:2016+A1:2018

2111X

Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11
Material:	MicroSkin Shield® (Palm) Polyester (Back)
Lining:	Unlined
Colour:	Black, Green
Thickness:	
Length:	22-26 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**107.4201**

TOUCHSCREEN COMPATIBLE ASSEMBLY WINTER GLOVES

MicroSkin Shield® material with ProTex® membrane, elastic polyester back.

- Recommended when operating with touch screen devices.
- Comfortable and fitted.
- Provides protection against cold and moisture.
- Sewn-in breathable ProTex® membrane ensures water resistance.
- Reflective print on the back increases safety.
- Anti-slip pattern in the palm provides enhanced grip.

Suitable for: Touch screen applications | General assembly | Cold Storage | Outdoor work.

EN420:2003+A1:2009 EN388:2016+A1:2018 EN 511:2006

3111X 110

Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11
Material:	MicroSkin Shield® (Palm) Polyester (Back)
Lining:	Synthetic liner/ProTex® membrane (Fully lined)
Colour:	Black, Green
Thickness:	
Length:	22-26 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**107.4202**

ASSEMBLY GLOVES

Synthetic leather with cotton back and Velcro closure, unlined.

- Comfortable and soft.
- Highly touch sensitive.

Suitable for: Assembly/fine work.

Design Protected.

EN420:2003+A1:2009 EN388:2016+A1:2018

3131X

GranberG®	
Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	Synthetic leather (Palm) Cotton (Back)
Lining:	Unlined
Colour:	White, Red
Thickness:	
Length:	20-25 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**107.4295**

ASSEMBLY GLOVES

MicroSkin Shield® with Velcro closure, unlined.

- Flexible.
- Good grip and high touch sensitivity.

Suitable for: Assembly work and other similar tasks.

Design Protected.

EN420:2003+A1:2009 EN388:2016+A1:2018

1111X

EX® BY GRANBERG	
Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	8 | 9 | 10 | 11
Material:	MicroSkin Shield® (Palm) Spandex®/Polyester (Back)
Lining:	Unlined
Colour:	Black, Grey
Thickness:	
Length:	22-24 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**107.4297**

ASSEMBLY WINTER GLOVES

MicroSkin Shield® with ProTex® membrane, Velcro closure.

- Provides protection against cold and moisture.
- Warm and soft liner inside the gloves.
- Sewn-in thermal, waterproof and breathable ProTex® membrane.
- Highly flexible.
- Excellent grip.

Suitable for: Assembly work and outdoor tasks in wet and/or cold weather.

Design Protected.

EN420:2003+A1:2009 EN388:2016+A1:2018 EN 511:2006

1121X 110

EX® BY GRANBERG	
Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	8 | 9 | 10 | 11 | 12
Material:	MicroSkin Shield® (Palm) Spandex®/Polyester (Back)
Lining:	Synthetic liner/ProTex® membrane (Fully lined)
Colour:	Black, Grey
Thickness:	
Length:	21-24 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**107.4297W**

TOUCHSCREEN COMPATIBLE ASSEMBLY GLOVES

MicroSkin Shield®, unlined.

- Recommended when operating with touch screen devices.
- Ergonomic shape for tight fitting and fatigue reduction.
- Flexible and soft.
- Enhanced grip and high touch sensitivity.

Suitable for: Touch screen applications | Assembly work and other similar tasks | Light fabrication | Warehouse work and general handling.

EN420:2003+A1:2009 EN388:2016+A1:2018

1111X

EX® BY GRANBERG	
Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	MicroSkin Shield® (Palm) Spandex®/Polyester (Back)
Lining:	Unlined
Colour:	Black, Grey, Green
Thickness:	
Length:	21-25 cm
Weight:	
Packaging:	Pair (6/72)
Art:	**107.4299**

ALL-ROUND WINTER GLOVES

MicroSkin Shield® material with ProTex® membrane, neoprene back.

- Provides protection against cold and moisture.
- Good grip and flexibility.
- Palm and thumb-base reinforcement.
- Sewn-in thermal, waterproof and breathable ProTex® membrane.
- Warm and soft fleece liner inside the glove.

Suitable for: Assembly work and other tasks in cold environments with high requirements to mobility, flexibility and grip.

EN ISO 21420:2020 | EN388:2016+A1:2018 | EN 511:2006

2121X | 120

BY GRANBERG	
Standards:	EN 21420, 388:2016, 511
Category:	CE Cat. II
Sizes:	8 | 9 | 10 | 11 | 12
Material:	MicroSkin Shield® (Palm) Neoprene (Back)
Lining:	Synthetic liner/ProTex® membrane (Fully lined)
Colour:	Black, Grey
Thickness:	
Length:	26-28 cm
Weight:	
Packaging:	Pair (6/60)
Art:	**107.7114**

TOUCHSCREEN COMPATIBLE ASSEMBLY/SHOOTING GLOVES

MicroSkin Shield® material with neoprene back and Velcro closure, unlined.

- Recommended when operating with touch screen devices.
- Flexible.
- Good grip and high touch sensitivity.
- Reinforced fingertips and reinforced palm for added durability.
- Water-repellent and elastic neoprene on the back of hand.

Suitable for: Law enforcement | Military | Special forces | Police | Security | Assembly work and other similar tasks | Touch screen applications.

EN ISO 21420:2020 | EN388:2016+A1:2018

1121X

BY GRANBERG	
Standards:	EN 21420, 388:2016
Category:	CE Cat. II
Sizes:	8 | 9 | 10 | 11
Material:	MicroSkin Shield® (Palm) Neoprene (Back)
Lining:	Unlined
Colour:	Black
Thickness:	0,5-0,6 mm
Length:	21-23 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**107.8888**

BAMBOO ASSEMBLY GLOVES

Latex foam coating, liner made of bamboo viscose fiber.

- High breathable properties compared to cotton or any other synthetic fibre.
- Very comfortable and flexible.
- Bamboo fibre is up to 4 times more absorbent than cotton.

Suitable for: Assembly work with high requirements to touch sensitivity and grip.

EN420:2003+A1:2009 | EN388:2016

3121X

Bamboo	
Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11
Material:	Latex
Lining:	Bamboo viscose
Colour:	White, Grey
Thickness:	
Length:	23-27 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**108.0600**

NEW!

ASSEMBLY GLOVES

Double latex coating, polyester liner.

- Thin layer of smooth orange latex provides good liquid barrier.
- Black sandy latex in the palm ensures good grip.
- Elasticated cuff for better fitting to the hand.
- Comfortable and lightweight.
- Good dexterity and fitting.

Suitable for: Construction | Assembly of components | Gardening etc.

EN ISO 21420:2020 | EN388:2016+A1:2018

2131X

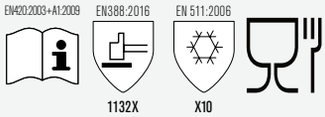
GranberG®	
Standards:	EN 21420, 388:2016
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	Latex
Lining:	Polyester
Colour:	Black, Orange
Thickness:	
Length:	24-29 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**108.8070**

ASSEMBLY WINTER GLOVES

Double latex coating, acrylic liner.

- Comfortable and durable.
- Coated with a thin layer of blue waterproof latex coating.
- Black sandy latex foam overdip ensures excellent wet, dry and oily grip.
- Approved to be used in direct contact with all types of food, including fatty foods (EN 1186).
- Good dexterity and fit.
- Provides good thermal insulation.

Suitable for: Construction business | Heavy duty work | Assembly of components | Shipping | Oil and gas industry | Cold Storage | Food industries | Outdoor winter use.



GranberG®	
Standards:	EN 420, 388:2016, 511, 1186
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	Latex
Lining:	Acrylic flannel (Fully lined)
Colour:	Blue, Black
Thickness:	
Length:	24-29 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**108.8080**

ASSEMBLY GLOVES, OEKO-TEX® 100 APPROVED

Special vinyl/PVC foam coating.

- Highly durable.
- Outstanding dexterity and fit.
- The vinyl/PVC coating technology is a patented process.
- Sanitized® treated to prevent bacteria growth and promote freshness.

Suitable for: Construction business | Heavy duty work | Assembly of components | Shipping | Mechanical and automotive.

OEKO-TEX® CONFIDENCE IN TEXTILES STANDARD 100 20200K0876 AITEX Tested for harmful substances. www.oeko-tex.com/standard100

Black Diamond®	
Standards:	EN 420, 388:2016, UKCA
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11
Material:	Vinyl/PVC
Lining:	Nylon
Colour:	Black, Grey
Thickness:	
Length:	23-29 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**109.0400**

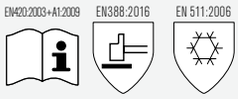
ASSEMBLY WINTER GLOVES, OEKO-TEX® 100 APPROVED

Special vinyl/PVC foam coating.

- Durable.
- Outstanding dexterity and fit.
- Tested and approved for cold conditions.
- The vinyl/PVC coating technology is a patented process.
- Sanitized® treated to prevent bacteria growth and promote freshness.

Suitable for: Assembly work and jobs in wet, oily and cold conditions.

OEKO-TEX® CONFIDENCE IN TEXTILES STANDARD 100 20200K0876 AITEX Tested for harmful substances. www.oeko-tex.com/standard100



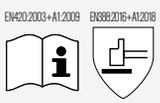
Black Diamond®	
Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11
Material:	Vinyl/PVC
Lining:	Acrylic flannel
Colour:	Black
Thickness:	
Length:	24-27 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**109.0400W**

ASSEMBLY GLOVES

Goatskin, unlined.

- Goatskin leather is soft, flexible and touch sensitive.
- Goatskin has higher strength-to-weight ratio than cow grain leather.
- Strong leather makes the gloves very durable.
- Good breathability on the back of hand.

Suitable for: Light to medium-heavy work related to assembly, transport, maintenance, grinding, industry and warehouse operations.



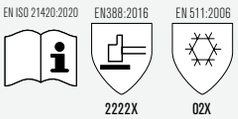
GranberG®	
Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	Goatskin (Palm) Cotton (Back)
Lining:	Unlined
Colour:	White, Grey
Thickness:	1,0-1,1 mm
Length:	23-26 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**113.1010**

ASSEMBLY WINTER GLOVES

Goatskin, fleece lined.

- Goatskin leather is soft, flexible and touch sensitive.
- Goatskin has higher strength-to-weight ratio than cow grain leather.
- Strong leather makes the gloves very durable.
- Fleece lined for warmth and additional comfort.

Suitable for: Assembly/fine work in cold conditions.



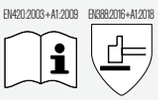
Standards:	EN 21420, 388:2016, 511
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	Goatskin (Palm) Cotton (Back)
Lining:	Cotton fleece (Fully lined)
Colour:	White, Grey
Thickness:	0,6-0,9 mm
Length:	23-27 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**113.1015**

ASSEMBLY GLOVES

Goatskin, unlined.

- Goatskin leather is soft, flexible and touch sensitive.
- Goatskin has higher strength-to-weight ratio than cow grain leather.
- Strong leather makes the gloves very durable.
- Fits hand well.

Suitable for: Assembly work | Grinding work with metals.



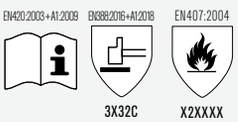
Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11
Material:	Goatskin
Lining:	Unlined
Colour:	White
Thickness:	0,7-0,9 mm
Length:	22-26 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**113.1020**

CUT AND HEAT RESISTANT GLOVES

Goatskin palm, cotton back of hand, fully Kevlar® lined.

- Goatskin provides very good abrasion resistance and tensile strength.
- Full Kevlar® lining protects hands from heat and cuts.
- Resistant to contact heat up to 250°C for 15 seconds.
- Good ventilation on the back of the hand, which is made of cotton.
- Sewn with Kevlar® threads.
- Comfortable and fitted.

Suitable for: Material Handling | Building and Construction | Automotive manufacturing.



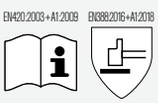
Standards:	EN 420, 388:2016, 407:2004
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	Goatskin (Palm) Cotton (Back)
Lining:	Kevlar® (Fully lined)
Colour:	White, Grey
Thickness:	0,6-0,8 mm
Length:	22-27 cm
Weight:	
Packaging:	Pair (12/72)
Art:	**113.1024**

ASSEMBLY GLOVES

Goatskin, unlined.

- Comfortable and fitted.
- Soft and strong goat skin leather provides the gloves excellent dexterity and touch sensitivity.
- Goatskin has higher strength-to-weight ratio than cow grain leather.
- Polyester back and Velcro closure.

Suitable for: Light to medium-heavy work related to assembly, transport, maintenance, grinding, industry and warehouse operations.



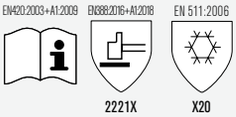
Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	8 | 9 | 10 | 11
Material:	Goatskin (Palm) Polyester (Back)
Lining:	Unlined
Colour:	White, Grey
Thickness:	0,6-0,8 mm
Length:	22-25 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**113.1040**

ASSEMBLY WINTER GLOVES

Goatskin, winter lined.

- Comfortable and fitted.
- Soft and strong goat skin leather provides the gloves excellent dexterity and touch sensitivity.
- Goatskin has higher strength-to-weight ratio than cow grain leather.
- Polyester back and Velcro closure.

Suitable for: Light to medium-heavy work under cold conditions related to assembly, transport, maintenance, grinding, industry and warehouse operations.



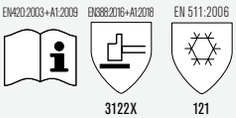
GranberG®	
Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11
Material:	Goatskin (Palm) Polyester (Back)
Lining:	Synthetic liner (Fully lined)
Colour:	White, Grey
Thickness:	0,6-0,8 mm
Length:	22-25 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**113.1045**

WORK GLOVES, SEMI WINTER LINED

Goatskin, ProTex® membrane, polyester back, fleece liner.

- Leather glove features combined with the advantages of ProTex® wind- and waterproof, breathable membrane.
- Warm and soft fleece liner inside the glove.
- Soft and strong goatskin leather provides good flexibility for gripping and handling objects.
- Provides protection against moisture and good thermal insulation.

Suitable for: Cold storage | Assembly work in cold and/or wet conditions with high requirements to mobility, flexibility and grip.



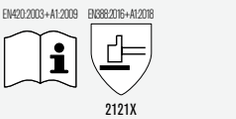
GranberG®	
Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	Goatskin (Palm) Polyester (Back)
Lining:	Synthetic liner/ProTex® membrane (Fully lined)
Colour:	White, Grey
Thickness:	
Length:	
Weight:	
Packaging:	Pair (6/72)
Art:	**113.1053**

ASSEMBLY GLOVES

Goatskin with elastic cotton back and Velcro closure, unlined.

- Comfortable and fitted.
- Soft and strong goat skin leather provides the gloves excellent dexterity and touch sensitivity.
- Goatskin has higher strength-to-weight ratio than cow grain leather.
- Good ventilation on back of hand that is made of 100% cotton.

Suitable for: Light to medium-heavy work related to assembly, transport, maintenance, grinding, industry and warehouse operations.



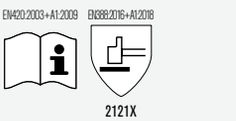
GranberG®	
Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11
Material:	Goatskin (Palm) Cotton (Back)
Lining:	Unlined
Colour:	White, Grey
Thickness:	0,6-0,8 mm
Length:	21-24 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**113.4295**

ASSEMBLY GLOVES

Goatskin, unlined.

- Comfortable and fitted.
- Soft and strong goat skin leather provides the gloves excellent dexterity and touch sensitivity.
- Goatskin has higher strength-to-weight ratio than cow grain leather.
- Polyester back.

Suitable for: Light to medium-heavy work related to assembly, transport, maintenance, grinding, industry and warehouse operations.



GranberG®	
Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	5 | 6 | 7 | 8 | 9 | 10 | 11
Material:	Goatskin (Palm) Polyester (Back)
Lining:	Unlined
Colour:	White, Grey
Thickness:	0,5-0,7 mm
Length:	21-26 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**113.4296**

ASSEMBLY WINTER GLOVES

Special nitrile foam coating.

- Durable.
- Warm, fitted and very comfortable.
- Warm brushed acrylic on inside, strong nylon outer shell.

Suitable for: Refrigerated display counter and cold storage rooms | Outdoor assembly | Inspections | Handling small parts.

EN420:2003+A1:2009 EN388:2016+A1:2018

4131X

GranberG®	
Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	8 | 9 | 10 | 11
Material:	Nitrile
Lining:	Brushed acrylic
Colour:	Blue, Black
Thickness:	
Length:	24-27 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**114.0488W**

ASSEMBLY GLOVES

Double nitrile coating, waterproof.

- Highly durable.
- Coated with a thin layer of sky blue waterproof nitrile coating.
- Black sandy foam overdip ensures excellent wet, dry and oily grip.
- Good dexterity and fit.
- Sanitized® treated to prevent bacteria growth and promote freshness.

Suitable for: Mechanical and automotive | Oil and Gas industry | Refineries | Construction business.

EN420:2003+A1:2009 EN388:2016 EN407:2004

4132A X1XXXX

GranberG®	
Standards:	EN 420, 388:2016, 407:2004
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11
Material:	Nitrile
Lining:	Polyester
Colour:	Blue, White, Black
Thickness:	
Length:	23-27 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**114.0490**

ASSEMBLY GLOVES, OEKO-TEX® 100 APPROVED

Patented nitrile foam coating with microdots.

- Microdots on the palm ensure firm oily grip, wet grip, and dry grip.
- Excellent abrasion resistance combined with dexterity and breathability.
- The patented micro-capillary nitrile foam technology.
- Sanitized® treated to prevent bacteria growth and promote freshness.

Suitable for: Assembly and finishing | Metal fabrication | Assembly of white goods | General site and factory maintenance | Warehouse work and general handling.

OEKO-TEX® CONFIDENCE IN TEXTILES STANDARD 100 20200K0876 AITEX Tested for harmful substances. www.oeko-tex.com/standard100

EN420:2003+A1:2009 EN388:2016 EN407:2004

4131X X1XXXX

POWERFIT® BY GRANBERG	
Standards:	EN 420, 388:2016, 407:2004
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11 | 12
Material:	Nitrile
Lining:	Nylon/Spandex®
Colour:	Black
Thickness:	
Length:	21-28 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**114.0550**

TOUCHSCREEN COMPATIBLE ASSEMBLY GLOVES, OEKO-TEX® 100 APPROVED

Patented nitrile foam coating.

- Recommended when operating with touch screen devices. Touchscreen capability is on thumb and index fingers.
- Environmentally-friendly* Ecotek liner is lightweight and provides a cooling effect.
- Great oil grip, wet grip, and dry grip.
- Excellent abrasion resistance combined with dexterity.
- Resistant to contact heat up to 100°C for 15 seconds.
- The patented micro-capillary nitrile foam technology.
- Sanitized® treated to prevent bacteria growth and promote freshness.

* 1/3 of the ingredients by weight are sustainably-sourced. Ecotek liner production requires 30% less energy and emits 60% less CO_2 compared to alternatives.

OEKO-TEX® CONFIDENCE IN TEXTILES STANDARD 100 20200K0876 AITEX Tested for harmful substances. www.oeko-tex.com/standard100

EN420:2003+A1:2009 EN388:2016 EN407:2004

4121A X1XXXX

Suitable for: Touch screen applications | Assembly and finishing | Light fabrication | Assembly of white goods | General site and factory maintenance | Warehouse work and general handling.

POWERFIT® BY GRANBERG	
Standards:	EN 420, 388:2016, 407:2004
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11 | 12
Material:	Nitrile
Lining:	Nylon, Polyester, Spandex®
Colour:	Black, Grey
Thickness:	
Length:	21-28 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**114.0744**

ASSEMBLY GLOVES, OEKO-TEX® 100 APPROVED

Special nitrile foam coating.

- Highly durable.
- Fitted model, comfortable and flexible.
- Good breathability.

Suitable for: Detailed assembly | Inspection | Handling small parts, etc.

EN ISO 21420:2020 EN388:2016+A1:2018

3121X

Standards:	EN 21420, 388:2016
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11 | 12
Material:	Nitrile
Lining:	Nylon
Colour:	Black, Grey
Thickness:	
Length:	21-28 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**114.0755**

TOUCHSCREEN COMPATIBLE ASSEMBLY GLOVES, OEKO-TEX® 100 APPROVED

Patented nitrile foam coating.

- Great oil grip, wet grip, and dry grip.
- Excellent abrasion resistance combined with dexterity and breathability.
- Patented micro-capillary nitrile foam technology.
- An extra thin 18-gauge nylon liner ensures extra softness and flexibility.
- Sanitized® treated to prevent bacteria growth and promote freshness.

Suitable for: Assembly and finishing | Metal fabrication | Assembly of white goods | General site and factory maintenance | Warehouse work and general handling.

EN ISO 21420:2020 EN388:2016+A1:2018 EN407:2004

4121X X1XXXX

Standards:	EN 21420, 388:2016, 407:2004
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11 | 12
Material:	Nitrile
Lining:	Nylon/Spandex®
Colour:	Black, Grey
Thickness:	
Length:	21-28 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**114.0766**

ASSEMBLY GLOVES

Sandy nitrile coating.

- High durability and abrasion resistance.
- Highly dexterous.
- Well fitted and soft.
- Economical industrial packaging.

Suitable for: Construction business | Mechanical and automotive | Detailed assembly | Inspection | Handling small parts, etc.

EN420:2003+A1:2009 EN388:2016+A1:2018

4132X

Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11
Material:	Nitrile
Lining:	Polyester
Colour:	Black, Grey
Thickness:	
Length:	23-27 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**114.0822**

TOUCHSCREEN COMPATIBLE ASSEMBLY GLOVES, OEKO-TEX® 100 APPROVED

Patented nitrile foam coating.

- Great oil grip, wet grip, and dry grip.
- Excellent abrasion resistance combined with dexterity and breathability.
- The patented micro-capillary nitrile foam technology.
- Sanitized® treated to prevent bacteria growth and promote freshness.

Suitable for: Assembly and finishing | Metal fabrication | Assembly of white goods | General site and factory maintenance | Warehouse work and general handling.

EN420:2003+A1:2009 EN388:2016 EN407:2004

4131X X1XXXX

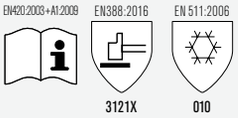
Standards:	EN 420, 388:2016, 407:2004
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11 | 12 | 13
Material:	Nitrile
Lining:	Nylon/Spandex®
Colour:	Black, Grey
Thickness:	
Length:	21-28 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**114.0933**

ASSEMBLY WINTER GLOVES

Nitrile microporous foam coating.

- Comfortable and durable.
- 3/4 coated with nitrile ultra-thin microporous foam.
- Coating ensures excellent wet, dry and oil grip.
- Provides good thermal insulation.
- Tight fitting increases the glove dexterity.

Suitable for: Construction business | Heavy duty work | Assembly of components | Shipping | Oil and gas industry | Cold Storage | Outdoor winter use.



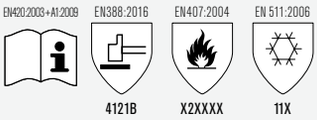
GranberG®	
Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	Nitrile
Lining:	Brushed acrylic/Polyester (Fully lined)
Colour:	Black
Thickness:	
Length:	23-29 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**114.3030**

ASSEMBLY WINTER GLOVES

Full nitrile microfoam coating, fleece liner.

- High durability, dexterity and tactile sensitivity.
- Resistant to contact heat up to 250°C for 15 seconds.
- Provides good thermal insulation.
- Water and oil repellent.
- A great alternative to leather driver's gloves.
- Sanitized® treated to prevent bacteria growth and promote freshness.

Suitable for: Light and medium fabrication | General assembly | Automotive manufacturing | Motor mechanics when handling hot parts | Cold Storage | Outdoor winter use.



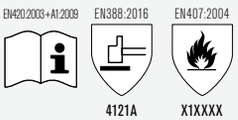
GranberG®	
Standards:	EN 420, 388:2016, 407:2004, 511
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11
Material:	Nitrile
Lining:	Jersey fleece
Colour:	Blue
Thickness:	
Length:	23-26 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**114.4272W**

ASSEMBLY GLOVES

Full nitrile microfoam coating, unlined.

- High durability, dexterity and tactile sensitivity.
- Resistant to contact heat up to 100°C for 15 seconds.
- Water and oil repellent.
- Sanitized® treated to prevent bacteria growth and promote freshness.

Suitable for: Light and medium fabrication | General assembly | Automotive manufacturing | Motor mechanics when handling hot parts.



GranberG®	
Standards:	EN 420, 388:2016, 407:2004
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	Nitrile
Lining:	Nylon
Colour:	Black
Thickness:	
Length:	23-26 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**114.4279**

NEW!

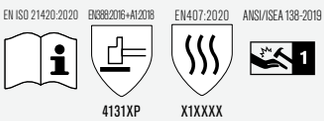
ASSEMBLY GLOVES WITH IMPACT PROTECTION

Nitrile foam coating, nylon/spandex lining.

- Very soft and flexible TPR design on the back of the hand for powerful impact protection.
- TPR protects the fragile parts of the hands and reduces shock energy on the meta-carpals and knuckles.
- Exceptional comfortability with superb finger sensitivity.
- Patented nitrile foam technology provides good breathability and excellent dexterity.
- Nitrile foam coating disperses oil and enhances grip in wet, dry, or greasy conditions.
- Sanitized treated to prevent bacteria growth and promote freshness.

Suitable for: Work involving risk of impact injuries | Building and Construction | Warehouse work and general handling.

Design Protected.



POWERFIT® BY GRANBERG	
Standards:	EN 21420, 388:2016, 407:2020, ANSI/ISEA
Category:	CE Cat. II
Sizes:	8 | 9 | 10 | 11 | 12
Material:	Nitrile
Lining:	Nylon/Spandex®
Colour:	Black, Grey
Thickness:	
Weight:	23-27 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**115.5502**

ASSEMBLY GLOVES

MacroSkin Pro® with Velcro closure, unlined.

- A rugged work glove that lasts long.
- Reinforced palm and fingertips.
- Soft and supple neoprene wrist with adjustable Velcro closure.
- Good breathability.

Suitable for: Rough work, e.g. for offshore usage | Iron fixing | Sawmill work.

Design Protected.

EN420:2003+A1:2009 EN388:2016+A1:2018

3142X

Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	8 | 9 | 10 | 11 | 12
Material:	MacroSkin Pro® (Palm) Spandex®/Polyester (Back)
Lining:	Unlined
Colour:	Black, Grey, Green
Thickness:	
Length:	23-26 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**120.1118**

ASSEMBLY GLOVES

MacroSkin Pro® with silicone print, elastic polyester back, unlined.

- Ideal for work that requires enhanced grip.
- Comfortable and fitted.
- Good breathability.

Suitable for: Light and medium fabrication | General assembly | Automotive manufacturing | Inspection/control, etc.

EN420:2003+A1:2009 EN388:2016

2131X

Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11
Material:	MacroSkin Pro®/Silicone (Palm) Polyester (Back)
Lining:	Unlined
Colour:	Black, Grey, Green
Thickness:	
Length:	22-26 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**120.4271**

ASSEMBLY GLOVES

MacroSkin Pro® with silicone print, elastic polyester back and Velcro closure, unlined.

- Ideal for work that requires enhanced grip.
- Comfortable and fitted.
- Good breathability.

Suitable for: Light and medium fabrication | General assembly | Automotive manufacturing | Inspection/control, etc.

EN420:2003+A1:2009 EN388:2016

2131X

Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11
Material:	MacroSkin Pro®/Silicone (Palm) Polyester (Back)
Lining:	Unlined
Colour:	Black, Grey, Green
Thickness:	
Length:	22-26 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**120.4273**

ASSEMBLY GLOVES

MacroSkin Pro® with elastic polyester back, unlined.

- Comfortable and fitted.
- Ideal for work that requires precision and accuracy.
- Good breathability.

Suitable for: Light and medium fabrication | General assembly | Automotive manufacturing | Inspection/Control | Gardening | Retail.

EN420:2003+A1:2009 EN388:2016+A1:2018

2121X

Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	6 | 7 | 8
Material:	MacroSkin Pro® (Palm) Polyester (Back)
Lining:	Unlined
Colour:	Black, Grey, Pink
Thickness:	
Length:	21-23 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**120.4281**

ASSEMBLY WINTER GLOVES

MacroSkin Pro® with elastic polyester back, winter lined.

- Comfortable and fitted.
- Ideal for work that requires precision and accuracy.
- Good breathability.
- Provides good thermal insulation.

Suitable for: Light and medium fabrication | General assembly | Automotive manufacturing | Motor mechanics | Cold Storage | Outdoor winter use | Gardening | Retail.

EN420:2003+A1:2009 | EN388:2016+A1:2018 2121X | EN 511:2006 X2X

GranberG®	
Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	6 | 7 | 8
Material:	MacroSkin Pro® (Palm) Polyester (Back)
Lining:	Synthetic liner (Fully lined)
Colour:	Black, Grey, Pink
Thickness:	
Length:	21-23 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**120.4282**

ASSEMBLY GLOVES

MacroSkin Pro® with elastic polyester back with Velcro closure, unlined.

- Comfortable and fitted.
- Ideal for work that requires precision and accuracy.
- Good breathability.

Suitable for: Light and medium fabrication | General assembly | Automotive manufacturing | Inspection/control | Gardening | Retail.

EN420:2003+A1:2009 | EN388:2016+A1:2018 2121X

GranberG®	
Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	6 | 7 | 8
Material:	MacroSkin Pro® (Palm) Polyester (Back)
Lining:	Unlined
Colour:	Black, Grey, Pink
Thickness:	
Length:	21-23 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**120.4283**

ASSEMBLY WINTER GLOVES

MacroSkin Pro® with elastic polyester back with Velcro closure, winter lined.

- Comfortable and fitted.
- Ideal for work that requires precision and accuracy.
- Good breathability.
- Provides good thermal insulation.

Suitable for: Light and medium fabrication | General assembly | Automotive manufacturing | Motor mechanics | Cold Storage | Outdoor winter use | Gardening | Retail.

EN420:2003+A1:2009 | EN388:2016+A1:2018 2121X | EN 511:2006 X2X

GranberG®	
Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	6 | 7 | 8
Material:	MacroSkin Pro® (Palm) Polyester (Back)
Lining:	Synthetic liner (Fully lined)
Colour:	Black, Grey, Pink
Thickness:	
Length:	21-23 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**120.4284**

ASSEMBLY GLOVES

MacroSkin Pro® with elastic polyester back, unlined.

- Comfortable and fitted.
- Ideal for work that requires precision and accuracy.
- Good breathability.

Suitable for: Light and medium fabrication | General assembly | Automotive manufacturing | Inspection/control, etc.

EN420:2003+A1:2009 | EN388:2016+A1:2018 2121X

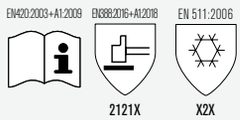
EX® BY GRANBERG	
Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11
Material:	MacroSkin Pro® (Palm) Polyester (Back)
Lining:	Unlined
Colour:	Black, Grey, Green
Thickness:	
Length:	21-26 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**120.4291**

ASSEMBLY WINTER GLOVES

MacroSkin Pro® with elastic polyester back, winter lined.

- Comfortable and fitted.
- Ideal for work that requires precision and accuracy.
- Good breathability.
- Provides good thermal insulation.

Suitable for: Light and medium fabrication | General assembly | Automotive manufacturing | Motor mechanics | Cold Storage | Outdoor winter use.



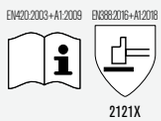
Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11
Material:	MacroSkin Pro® (Palm) Polyester (Back)
Lining:	Synthetic liner (Fully lined)
Colour:	Black, Grey, Green
Thickness:	
Length:	21-26 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**120.4292W**

ASSEMBLY GLOVES

MacroSkin Pro® with elastic polyester back with Velcro closure, unlined.

- Comfortable and fitted.
- Ideal for work that requires precision and accuracy.
- Good breathability.

Suitable for: Light and medium fabrication | General assembly | Automotive manufacturing | Inspection/control, etc.



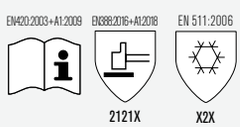
Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11
Material:	MacroSkin Pro® (Palm) Polyester (Back)
Lining:	Unlined
Colour:	Black, Grey, Green
Thickness:	
Length:	21-26 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**120.4293**

ASSEMBLY WINTER GLOVES

MacroSkin Pro® with elastic polyester back with Velcro closure, winter lined.

- Comfortable and fitted.
- Ideal for work that requires precision and accuracy.
- Good breathability.
- Provides good thermal insulation.

Suitable for: Light and medium fabrication | General assembly | Automotive manufacturing | Motor mechanics | Cold Storage | Outdoor winter use.



Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11
Material:	MacroSkin Pro® (Palm) Polyester (Back)
Lining:	Synthetic liner (Fully lined)
Colour:	Black, Grey, Green
Thickness:	
Length:	21-26 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**120.4294W**

CUT RESISTANT GLOVES

HIGHLY RESISTANT MATERIALS

TYPHOON®

Typhoon® is an extremely strong (yield strength) fibre combination which is characterized by the highest level of cut resistance.

The technological solutions applied have yielded a fibre combination consisting of high molecular weight polyethylene, glass fibre and Elastane/Spandex.

Typhoon® is light, yet 10–15 times stronger than steel (per unit weight) and up to 40% stronger than aramid fibres.

SIMILAR, BUT REALLY DIFFERENT

Use the list below to compare the properties of the products.

Art.no	Impact Protective	Chemical Resistant	Oil Repellent	Coated	Winter lined	Velcro Closure	Seamless	More
105.3810								Flame/heat resistant, natural leather
107.4997W					●	●		
113.1023					●			Flame/heat resistant, natural leather
113.1024					●			Fully lined with Kevlar®
113.1025					●			Fully lined with Kevlar®
113.1190	●				●			Fully lined with Kevlar®
114.9015		●	●	●				Visibility colour
115.3250	●					●		Visibility colour
115.3260	●					●		Waterproof and breathing membrane
115.3270W	●				●	●		Waterproof and breathing membrane
115.3280	●							Waterproof and breathing membrane
115.4999W	●				●	●		
115.9013	●	●	●	●				Visibility colour
115.9014	●	●	●	●				Visibility colour
116.0995				●			●	
116.502							●	Food approved
116.504					●		●	Food approved
116.530				●			●	
116.540				●			●	
116.541				●			●	
116.547				●			●	
116.580				●	●		●	
116.582				●	●		●	
116.591				●			●	
116.592				●			●	Touchscreen compatible
116.598				●			●	
116.599				●			●	
119.2212						●	●	Touchscreen compatible, needlestick protection
119.7000				●				Needlestick protection
120.1119						●		Visibility colour

CUT RESISTANCE APPROVAL

There are several requirements to be fulfilled and tests to pass before a glove qualifies as cut resistant. If you would like to know more, you can read about the EN 388:2016 standard in the back of the catalogue.

MIG WELDING GLOVES

Cut resistant Kozane® FR material and goatskin.

- Superior gloves for MIG welding as well as for handling sharp sheet metal etc.
- Provides exceptional comfort and extreme cut and puncture resistance.
- High protection against heat combined with excellent dexterity.
- Lasts 4-5 times longer than regular MIG gloves made from goatskin.
- Reinforcements sewn on to the thumb base for extra durability.
- 14 cm cow split leather cuff.

Suitable for: MIG welding | Grinding | Cutting.

EN ISO 21420:2020 | EN388:2016+A1:2018 | EN407:2004 | ANSI/ISEA 105
3X42F | 424244 | ANSI CUT A6

GranberG®	
Standards:	EN 21420, 388:2016, 407:2004, 1149-2, 12477, ANSI/ISEA, UKCA
Category:	CE Cat. III
Sizes:	8 | 9 | 10 | 11 | 12
Material:	Goatskin
Lining:	Kozane® (Palm lined)
Colour:	White, Black, Red
Thickness:	
Length:	33-36 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**105.3810**

NEW!

CUT-RESISTANT WINTER GLOVES

MicroSkin Shield® with ProTex® membrane, Velcro closure.

- Provide protection against cold and moisture.
- Cut-resistant layer in the palm.
- Waterproof ProTex® membrane with excellent breathability.
- Warm and soft lining.
- Highly flexible.
- Excellent grip.

Suitable for: Outdoor work involving risk of cut injuries and performed in cold and/or wet weather.

Design Protected.

EN420:2003+A1:2009 | EN388:2016+A1:2018 | EN 511:2006 | ANSI/ISEA 105
1X32D | 110 | ANSI CUT A4

EX® BY GRANBERG	
Standards:	EN 420, 388:2016, 511, ANSI/ISEA, UKCA
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11 | 12 | 13
Material:	MicroSkin Shield® (Palm) Spandex®/Polyester (Back)
Lining:	Synthetic liner, Para Aramid (Palm lined)
Colour:	Black, Grey
Thickness:	
Length:	21-24 cm
Weight:	
Packaging:	Pair (12/72)
Art:	**107.4997W**

ARC FLASH APPROVED

CUT AND HEAT RESISTANT GLOVES

Goatskin, fully Kevlar® lined.

- Soft and strong goatskin leather provides the gloves excellent dexterity and touch sensitivity.
- Very comfortable and fitted.
- Goatskin has higher strength-to-weight ratio than cow grain leather.
- Stitched-in 100% full Kevlar® lining protects hands from cuts.
- Arc flash approved to Level 3, with an Arc Thermal Performance Value (ATPV) of 34 cal/cm^2.
- Sewn with Kevlar® threads.

Suitable for: Construction | Automotive manufacturing | Oil and gas | Assembly.

EN ISO 21420:2020 | EN388:2016+A1:2018 | EN407:2020
3X22C | 411142

GranberG®	
Standards:	EN 21420, 388:2016, 407:2020, ASTM F2675/F2675M, UKCA
Category:	CE Cat. II
Sizes:	8 | 9 | 10 | 11 | 12 | 13
Material:	Goatskin
Lining:	Kevlar® (Fully lined)
Colour:	White
Thickness:	0,7-0,9 mm
Length:	23-26 cm
Weight:	
Packaging:	Pair (12/72)
Art:	**113.1023**

NEW!

CUT AND HEAT RESISTANT GLOVES

Goatskin palm, cotton back of hand, fully Kevlar® lined.

- Goatskin provides very good abrasion resistance and tensile strength.
- Full Kevlar® lining protects hands from heat and cuts.
- Resistant to contact heat up to 250°C for 15 seconds.
- Good ventilation on the back of the hand, which is made of cotton.
- Sewn with Kevlar® threads.
- Comfortable and fitted.

Suitable for: Material Handling | Building and Construction | Automotive manufacturing.

EN420:2003+A1:2009 | EN388:2016+A1:2018 | EN407:2004
3X32C | X2XXXX

GranberG®	
Standards:	EN 420, 388:2016, 407:2004
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	Goatskin (Palm) Cotton (Back)
Lining:	Kevlar® (Fully lined)
Colour:	White, Grey
Thickness:	0,6-0,8 mm
Length:	22-27 cm
Weight:	
Packaging:	Pair (12/72)
Art:	**113.1024**

NEW!

ARC FLASH APPROVED

CUT AND HEAT RESISTANT GLOVES

Goatskin, prolonged sewn-on cuff, fully Kevlar® lined.

- Soft and strong goatskin leather provides the gloves excellent dexterity and touch sensitivity.
- Prolonged cuff offers better protection from heat and cuts.
- Full Kevlar® lining protects hands from heat and cuts.
- Sewn with Kevlar® threads.
- Resistant to contact heat up to 100°C for 15 seconds.
- Arc flash approved to Level 3, with an Arc Thermal Performance Value (ATPV) of 34 cal/cm².
- Very comfortable and fitted.

Suitable for: Construction | Automotive manufacturing | Oil and gas | Assembly.

EN ISO 21420:2020 | EN388:2016+A1:2018 3X22C | EN407:2020 4111XX

Standards:	EN 21420, 388:2016, 407:2020, ASTM F2675/F2675M, UKCA
Category:	CE Cat. II
Sizes:	9 | 10 | 11
Material:	Goatskin
Lining:	Kevlar® (Fully lined)
Colour:	White
Thickness:	
Length:	30-32 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**113.1025**

NEW!

ARC FLASH APPROVED

CUT AND IMPACT RESISTANT GLOVES

Goatskin, fully Kevlar® lined.

- Soft and strong goatskin leather provides the gloves good dexterity and touch sensitivity.
- Impact protection on back of hand.
- Full Kevlar® lining protects hands from cuts.
- Impact protective details in bright colour for increased safety.
- Sewn with Kevlar® threads.
- Comfortable and fitted
- Arc flash approved to Level 2, with an Arc Thermal Performance Value (ATPV) of 13 cal/cm².

Suitable for: Building and Construction | Oil and Gas | Heavy-duty applications.

EN ISO 21420:2020 | EN388:2016+A1:2018 3X22CP | EN407:2020 X1XXXX | ANSI/ISEA 105 ANSI CUT A2 | ANSI/ISEA 138-2019 2 — Design Protected.

Standards:	EN 21420, 388:2016, 407, ASTM F2675/F2675M, ANSI/ISEA, UKCA
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	Goatskin
Lining:	Kevlar® (Fully lined)
Colour:	White, Green
Thickness:	
Length:	24-26 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**113.1190**

CHEMICAL PROTECTIVE GLOVES WITH CUT RESISTANCE

Bonded with 360⁰ Anti-Cut Typhoon® Liner.

- Nitrile offering liquid-proof barrier and protection against a wide range of chemicals and high abrasion-resistant durability.
- EN 374:2016/Type A high chemical resistance. The Nitrile coating offers ≥ 480 minutes of permeation time for n-Heptane found in oil-based muds.
- High visibility green for maximum safety.
- Tested according to EN 388:2016 (mechanical and impact protection) and EN 374:2016 (chemical protection).
- Heat resistant up to 100°C for 15 seconds.

Suitable for: Oil & Gas: Upstream, Transportation, Downstream and Clean Up | Sewage/Draining Facilities | Water Treatment Facilities.

EN420:2003+A1:2009 | EN388:2016+A1:2018 4X44F | EN ISO 374-1:2016/Type A AJKOPT | EN ISO 374-5:2016 | EN407:2004 X1XXXX | ANSI/ISEA 105 ANSI CUT A7

Standards:	EN 420, 388:2016, 374:2016, 407:2004, ANSI/ISEA
Category:	CE Cat. III
Sizes:	8/M | 9/L | 10/XL | 11/XXL | 12/XXXL
Material:	Nitrile
Lining:	Typhoon® (Fully lined)
Colour:	Green
Thickness:	1,55 mm
Length:	38 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**114.9015**

NEW!

CUT- AND IMPACT-RESISTANT GLOVES

Goatskin palm, Spandex® back, TPR impact protection, Velcro closure.

- High protection against cuts in palm and fingers, approved according to EN 388:2016 cut level D.
- Powerful but soft and flexible TPR impact protection design on the back of the hand.
- Full goatskin palm provides durability and good grip.
- Spandex® material on the back of the hand for good fitting, greater flexibility and breathability.
- Elastic wrist with adjustable Velcro closure provides a secure but comfortable fit around the wrist.

Suitable for: Work involving risk of cut and impact injuries and performed in dry weather.

Design Protected.

EN ISO 21420:2020 | EN388:2016+A1:2018 2X32DP | EN407:2020 X1XXXX | ANSI/ISEA 105 ANSI CUT A3 | ANSI/ISEA 138-2019 2

Standards:	EN 21420, 388:2016, 407:2020, ANSI/ISEA, UKCA
Category:	CE Cat. II
Sizes:	8 | 9 | 10 | 11
Material:	Goatskin (Palm) Polyester,Spandex® (Back)
Lining:	Cut-resistant liner: Aramid, Glass fiber, Polyester
Colour:	White, Black, Green, Yellow
Thickness:	0,7-0,9 mm (Leather)
Length:	20,5-27,5 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**115.3250**

NEW!

reddot winner 2022

CUT, IMPACT, AND WATER-RESISTANT GLOVES

Goatskin palm, Spandex® back, TPR impact protection, waterproof ProTex® membrane, thin polyester mesh liner, Velcro closure.

- High protection against cuts in palm and fingers, approved according to EN 388:2016 cut level D.
- Powerful but soft and flexible TPR impact protection design on the back of the hand.
- Full goatskin palm provides durability and good grip in wet and dry conditions.
- Thin and soft polyester mesh liner covers membrane and provides comfort.
- Waterproof and breathable ProTex® membrane provides water resistance for activities in wet conditions.
- Spandex® material on the back of the hand for good fitting, greater flexibility and breathability.
- Elastic wrist with adjustable Velcro closure provides a secure but comfortable fit around the wrist.

Suitable for: Work involving risk of cut and impact injuries and performed in wet weather.

Design Protected.

Standards:	EN 21420, 388:2016, ANSI/ISEA, UKCA
Category:	CE Cat. II
Sizes:	9 | 10 | 11
Material:	Goatskin (Palm) Polyester, Spandex® (Back)
Lining:	Cut-resistant liner: Aramid, Glass fiber, Polyester
Colour:	White, Black, Green, Yellow
Thickness:	0,7-0,9 mm (Leather)
Length:	20,5-27,5 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**115.3260**

NEW!

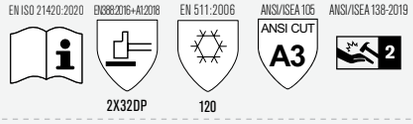
reddot winner 2022

CUT, IMPACT, AND WATER-RESISTANT WINTER GLOVES

Goatskin palm, Spandex® back, TPR impact protection, waterproof ProTex® membrane, winter lining, velcro closure.

- High protection against cuts in palm and fingers, approved according to EN 388:2016 cut level D.
- Resistant to convective and contact cold in accordance with EN 511:2006 for protection against heat loss in cold environments and when handling cold objects.
- Powerful but soft and flexible TPR impact protection design on the back of the hand.
- Full goatskin palm provides durability and good grip in wet and dry conditions.
- Warm, soft fleece liner provides protection against cold.
- Waterproof and breathable ProTex® membrane provides water resistance for activities in wet conditions.
- Spandex® material on the back of the hand for good fitting, greater flexibility and breathability.
- Elastic wrist with adjustable Velcro closure provides a secure but comfortable fit around the wrist.

Suitable for: Outdoor work involving risk of cut and impact injuries and performed in cold and/or wet weather.



Design Protected.

Standards:	EN 21420, 388:2016, 511, ANSI/ISEA, UKCA
Category:	CE Cat. II
Sizes:	9 | 10 | 11
Material:	Goatskin (Palm) Polyester, Spandex® (Back)
Lining:	Cut-resistant liner: Aramid, Glass fiber, Polyester
Colour:	White, Black, Green, Yellow
Thickness:	0,7-0,9 mm (Leather)
Length:	20,5-27,5 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**115.3270W**

NEW!

CUT- AND IMPACT-RESISTANT GLOVES

Goatskin palm, Spandex® back, TPR impact protection, Spandex® cuff.

- High protection against cuts in palm and fingers, approved according to EN 388:2016 cut level D.
- Powerful but soft and flexible TPR impact protection design on the back of the hand.
- Full goatskin palm provides durability and good grip.
- Spandex® material on the back of the hand for good fitting, greater flexibility and breathability.
- Elastic Spandex® cuff provides a comfortable fit around the wrist.

Suitable for: Work involving risk of cut and impact injuries and performed in dry weather.

Design Protected.

Standards:	EN 21420, 388:2016, 407:2020, ANSI/ISEA, UKCA
Category:	CE Cat. II
Sizes:	8 | 9 | 10 | 11
Material:	Goatskin (Palm) Polyester, Spandex® (Back)
Lining:	Cut-resistant liner: Aramid, Glass fiber, Polyester
Colour:	White, Black, Green, Yellow
Thickness:	0,7-0,9 mm (Leather)
Length:	20,5-27,5 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**115.3280**

NEW!

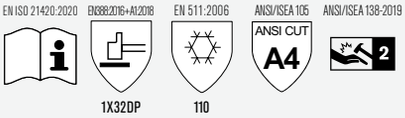
reddot winner 2022

CUT, IMPACT, AND WATER-RESISTANT WINTER GLOVES

MicroSkin Shield® synthetic material with waterproof ProTex® membrane, Velcro closure.

- Provides protection against cold and moisture.
- Powerful but soft impact protection on back of hand.
- Cut-resistant layer in the palm.
- Waterproof ProTex® membrane with excellent breathability.
- Warm and soft lining.
- Highly flexible.
- Excellent grip.

Suitable for: Outdoor work involving risk of cut and impact injuries and performed in cold and/or wet weather.



Design Protected.

Standards:	EN 21420, 388:2016, 511, ANSI/ISEA, UKCA
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11 | 12 | 13
Material:	MicroSkin Shield® (Palm) Spandex®/Polyester (Back)
Lining:	Synthetic liner/ProTex® membrane, Para Aramid (Palm lined)
Colour:	Black, Grey, Green, Yellow
Thickness:	
Length:	21-24 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**115.4999W**

CHEMICAL-AND-CUT RESISTANT GLOVES WITH IMPACT PROTECTION

Nitrile, Typhoon® liner, high visibility green.

- Nitrile provides liquid-proof barrier and protection against a wide range of chemicals.
- High abrasion-resistant material increases durability.
- High chemical resistance (EN 374:2016/Type A) and approved for a number of different chemicals.
- Approved for 48% Hydrofluoric acid (HF) with > 480 minutes permeation time (in liquid form).
- Approved for 99% Hydrogen fluoride (HF) with > 480 minutes permeation time (in gas form).
- High visibility green for maximum safety.
- Heat resistant up to 100°C for 15 seconds.

Suitable for: Petrochemical Industries | Clean Up | Sewage/Draining Facilities | Water Treatment Facilities.

Design Protected.

EN420:2003+A1:2009 | EN388:2016+A1:2018 | EN ISO374-1:2016/TypeA | EN ISO374-5:2016 | EN407:2004 | ANSI/ISEA 105 | ANSI/ISEA 138-2019

4X44FP | AJKOPT | X1XXXX | ANSI CUT A7 | 2

GranberG®	
Standards:	EN 420, 388:2016, 374:2016, 407:2004, ANSI/ISEA
Category:	CE Cat. III
Sizes:	8/M | 9/L | 10/XL | 11/XXL
Material:	Nitrile
Lining:	Typhoon® (Fully lined)
Colour:	Black, Green
Thickness:	1,55 mm
Length:	38 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**115.9013**

CHEMICAL-AND-CUT-RESISTANT GLOVES WITH IMPACT PROTECTION

Nitrile, Typhoon® liner, high visibility green.

- Nitrile provides liquid-proof barrier and protection against a wide range of chemicals.
- High abrasion-resistant material increases durability.
- High chemical resistance (EN 374:2016/Type A) and approved for a number of different chemicals.
- Approved for 48% Hydrofluoric acid (HF) with > 480 minutes permeation time (in liquid form).
- Approved for 99% Hydrogen fluoride (HF) with > 480 minutes permeation time (in gas form).
- High visibility green for maximum safety.
- Heat resistant up to 100°C for 15 seconds.
- Shorter version of 115.9013.

Suitable for: Petrochemical Industries | Clean Up | Sewage/Draining Facilities | Water Treatment Facilities.

Design Protected.

EN420:2003+A1:2009 | EN388:2016+A1:2018 | EN ISO374-1:2016/TypeA | EN ISO374-5:2016 | EN407:2004 | ANSI/ISEA 105 | ANSI/ISEA 138-2019

4X44FP | AJKOPT | X1XXXX | ANSI CUT A7 | 2

GranberG®	
Standards:	EN 420, 388:2016, 374:2016, 407:2004, ANSI/ISEA
Category:	CE Cat. III
Sizes:	8/M | 9/L | 10/XL | 11/XXL
Material:	Nitrile
Lining:	Typhoon® (Fully lined)
Colour:	Black, Green
Thickness:	1,55 mm
Length:	32 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**115.9014**

CUT RESISTANT GLOVES, OEKO-TEX® 100 APPROVED

Typhoon® and polyurethane coating.

- Highly durable.
- Very good abrasion resistance and good cut protection.
- Good touch sensitivity.
- Economical version.

Suitable for: Assembly work with high requirements to abrasion resistance and where there is risk of cut injuries.

OEKO-TEX® CONFIDENCE IN TEXTILES STANDARD 100 21.HNO.59941 HOHENSTEIN HTTI Tested for harmful substances. www.oeko-tex.com/standard100

EN ISO 21420:2020 | EN388:2016+A1:2018 | ANSI/ISEA 105

4X42D | ANSI CUT A5

PROTECTOR BY GRANBERG	
Standards:	EN 21420, 388:2016, ANSI/ISEA
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	PU
Lining:	Typhoon®
Colour:	Black, Grey
Thickness:	
Length:	23-27 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**116.0995**

CUT RESISTANT INNER GLOVES

Typhoon®.

- Provides high blade cut resistance, EN 388:2016, level E.
- Highly recommended as a cut-resistant liner gloves with single-use gloves and reusable gloves.
- Provides cut resistance barrier as well as finger sensitivity.
- Approved to be used in direct contact with all types of food, including fatty foods (EN 1186).
- Ambidextrous.

Suitable for: Use in meat industries, catering, fish processing industries and other food industries where knives or other sharp objects are handled.

EN ISO 21420:2020 | EN388:2016+A1:2018

1X41E

PROTECTOR BY GRANBERG	
Standards:	EN 21420, 388:2016, 1186
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11 | 12
Material:	Typhoon®
Lining:	
Colour:	Blue
Thickness:	
Length:	23-29 cm
Weight:	
Packaging:	Pair (6/72)
Art:	**116.502**

NEW!

CUT RESISTANT WARM INNER GLOVES

Typhoon®.

- Warm inner gloves.
- Highly recommended as a cut-resistant liner glove with single-use gloves and reusable gloves.
- Cut resistance barrier combined with finger sensitivity.
- Approved to be used in direct contact with all types of food, including fatty foods (EN 1186).
- Ambidextrous.

Suitable for: Cold environments | Use in meat industries, catering, fish processing industries, and other food industries where knives or other sharp objects are handled.

EN ISO 21420:2020 EN388:2016

1X41D

PROTECTOR BY GRANBERG	
Standards:	EN 21420, 388:2016, 1186
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11
Material:	Typhoon®
Lining:	
Colour:	Blue
Thickness:	
Length:	30-35 cm
Weight:	
Packaging:	Pair (6/72)
Art:	**116.504**

NEW!

ASSEMBLY GLOVES WITH CUT PROTECTION, OEKO-TEX® 100 APPROVED

Crinkled latex coating, Typhoon® HPPE liner.

- 15-gauge Typhoon® HPPE liner provides great cut protection (level E) perfect for handling glass, metals, and plastics.
- Crinkled latex coating enhances dry and wet grip.
- Breathable liner gives exceptional comfortability and dexterity (Level 5).

Suitable for: Window manufacturing | Handling and repairing glass and windows | Bottling | Handling of metal sheets | Handling of heavy equipment.

OEKO-TEX® CONFIDENCE IN TEXTILES STANDARD 100 21.HNO.59941 HOHENSTEIN HTTI Tested for harmful substances. www.oeko-tex.com/standard100

EN ISO 21420:2020 EN388:2016+A1:2018 ANSI/ISEA 105 ANSI CUT A6

2X42E

PROTECTOR BY GRANBERG	
Standards:	EN 21420, 388:2016, ANSI/ISEA
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11 | 12
Material:	Latex
Lining:	Typhoon®
Colour:	Blue, Grey
Thickness:	
Length:	21-27 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**116.530**

CUT RESISTANT GLOVES

Typhoon® fibre with polyurethane coating.

- Especially abrasion and tear resistant.
- Fitted with great touch sensitivity.
- Typhoon® is one of the strongest fibres in the world.
- Sanitized® treated to prevent bacteria growth and promote freshness.

Suitable for: Assembly work with extremely high requirements to abrasion resistance and where there is risk of cut injuries.

EN420:2003+A1:2009 EN388:2016

4343B

PROTECTOR BY GRANBERG	
Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11
Material:	PU
Lining:	Typhoon®
Colour:	White
Thickness:	
Length:	21-23 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**116.540**

CUT RESISTANT GLOVES

Typhoon® fibre with polyurethane coating.

- Especially abrasion and tear-resistant.
- Fitted with great touch sensitivity.
- Typhoon® is one of the strongest fibres in the world.

Suitable for: Assembly work with extremely high requirements to abrasion resistance and where there is risk of cut injuries.

EN420:2003+A1:2009 EN388:2016+A1:2018

4342X

PROTECTOR BY GRANBERG	
Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11
Material:	PU
Lining:	Typhoon®
Colour:	Black
Thickness:	
Length:	22-25 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**116.541**

NEW!

CUT-RESISTANT GLOVES, OEKO-TEX® 100 APPROVED

Typhoon® liner, sandy-nitrile palm coating.

- High protection against cuts – EN 388:2016 level D.
- Excellent abrasion resistance and tear resistance far exceeding the requirements for the highest EN 388:2016 level.
- Knit 15-gauge Typhoon® HPPE and steel fiber blend shell, comfortable and flexible – yet has good cut resistance, providing the gloves with 360° cut protection.
- Very good dexterity, touch sensitivity, and overall glove comfort.
- Excellent grip in dry, wet, and oily conditions – thanks to the sandy nitrile palm coating (also known as micropore nitrile), which displaces liquids on surfaces and creates a "suction effect".
- Elasticated cuff provides a comfortable and secure fit around the wrist.

Typhoon® technology makes use of one of the strongest fibres in the world.

EN ISO 21420:2020 | EN388:2016+A1:2018 4X43D | EN407:2004 X1XXXX | ANSI/ISEA 105 ANSI CUT A4

Suitable for: Assembly work with extremely high requirements to abrasion resistance and where there is risk of cut injuries.

OEKO-TEX® CONFIDENCE IN TEXTILES STANDARD 100 21.HNO.59941 HOHENSTEIN HTTI Tested for harmful substances. www.oeko-tex.com/standard100

PROTECTOR BY GRANBERG

Standards:	EN 21420, 388:2016, 407, ANSI/ISEA
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	Nitrile
Lining:	Typhoon®
Colour:	Blue, Black
Thickness:	
Length:	22,5-28,5 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**116.547**

CUT RESISTANT WINTER GLOVES

Typhoon® fibre with sandy nitrile coating.

- Highly durable. Soft and flexible gloves with long life.
- Very comfortable and warm gloves with good grip.
- Brushed acrylic interior that provides warmth almost on par with wool.

Suitable for: Use in cold environments with a high risk of cuts.

EN420:2003+A1:2009 | EN388:2016+A1:2018 4X42C | EN 511:2006 01X

PROTECTOR BY GRANBERG

Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	10 | 11 | 12
Material:	Nitrile
Lining:	Typhoon®/Brushed acrylic
Colour:	Blue, Black
Thickness:	
Length:	25-29 cm
Weight:	
Packaging:	Pair (12/48)
Art:	**116.580**

CUT RESISTANT GLOVES

Typhoon® material, polyurethane coating.

- Very good protection against cut injuries (EN 388:2016 level D) combined with high abrasion resistance.
- Especially good flexibility and freedom of movement and very comfortable (18-gauge thread technology).
- Reinforced thumb crotch provides extended use life.
- Ideal for precision handling in dry conditions.
- Typhoon® is one of the strongest fibres in the world.

Suitable for: Works tasks with very high requirements for cut protection and exceptionally high demands for touch sensitivity – primarily dry conditions.

EN420:2003+A1:2009 | EN388:2016+A1:2018 3X43D

PROTECTOR BY GRANBERG

Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	6 | 8 | 9 | 10 | 11 | 12
Material:	PU
Lining:	Typhoon®
Colour:	Black, Grey
Thickness:	
Length:	
Weight:	
Packaging:	Pair (12/144)
Art:	**116.591**

TOUCHSCREEN COMPATIBLE CUT RESISTANT GLOVES, OEKO-TEX® 100 APPROVED

Typhoon® material, sandy nitrile coating.

- Recommended when operating with touch screen devices.
- Very good protection against cut injuries (EN 388:2016 level D) combined with superior abrasion resistance.
- Resistant to contact heat up to 100°C for 15 seconds.
- Especially good flexibility and freedom of movement and very comfortable (18-gauge thread technology).
- Reinforced thumb crotch provides extended use life.
- Ideal for precision handling in wet or oily conditions.
- Typhoon® is one of the strongest fibres in the world.

Suitable for: Touch screen applications | Work tasks with very high requirements for abrasion resistance, cut protection and touch sensitivity.

EN420:2003+A1:2009 | EN388:2016+A1:2018 4X43D | EN407:2004 X1XXXX | ANSI/ISEA 105 ANSI CUT A6

OEKO-TEX® CONFIDENCE IN TEXTILES STANDARD 100 21.HNO.59941 HOHENSTEIN HTTI Tested for harmful substances. www.oeko-tex.com/standard100

PROTECTOR BY GRANBERG

Standards:	EN 420, 388:2016, 407:2004
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11 | 12
Material:	Nitrile
Lining:	Typhoon®
Colour:	Black, Grey
Thickness:	
Length:	
Weight:	
Packaging:	Pair (12/144)
Art:	**116.592**

NEW!

CUT RESISTANT GLOVES, OEKO-TEX® 100 APPROVED

HPPE Typhoon® fibre with single-dipped sandy nitrile coating.

- Provides extreme blade cut resistance, EN 388:2016 Level F.
- Excellent abrasion and tear resistance.
- Thumb crotch reinforcement.
- Very flexible, dexterous, and comfortable fit.
- Typhoon® is one of the strongest fibres in the world.

Suitable for: Activities with requirements for abrasion resistance | Handling objects with sharp, rough edges | Metal fabrication | Glass manufacturing and handling.

OEKO-TEX® CONFIDENCE IN TEXTILES STANDARD 100 21.HNO.59941 HOHENSTEIN HTTI Tested for harmful substances. www.oeko-tex.com/standard100

EN420:2003+A1:2009 | EN388:2016+A1:2018 4X42F | EN407:2020 X1XXXX

Standards:	EN 21420, 388:2016, 407:2020
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	Nitrile
Lining:	Typhoon®
Colour:	Black, Grey, Red
Thickness:	
Length:	23-28 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**116.598**

CUT RESISTANT GLOVES, OEKO-TEX® 100 APPROVED

Typhoon® fibre with a double dipped sandy nitrile coating.

- Provides extreme blade cut resistance, EN 388:2016, level F (highest level).
- Excellent abrasion and tear resistance.
- Double dipped sandy nitrile coating for superior abrasion resistance.
- Thumb crotch reinforcement.
- Very flexible, dexterous and comfortable fit.
- Typhoon® is one of the strongest fibres in the world.
- Ideal for precision handling in oily conditions.

Suitable for: Handling parts with sharp, rough edges | Handling sharp metal sheets | Cutting glass | Metal working and assembly operations etc.

OEKO-TEX® CONFIDENCE IN TEXTILES STANDARD 100 21.HNO.59941 HOHENSTEIN HTTI Tested for harmful substances. www.oeko-tex.com/standard100

EN420:2003+A1:2009 | EN388:2016+A1:2018 4X43F | ANSI/ISEA 105 ANSI CUT A8

Standards:	EN 420, 388:2016, ANSI/ISEA
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	Nitrile
Lining:	Typhoon®
Colour:	Black, Grey
Thickness:	
Length:	
Weight:	
Packaging:	Pair (12/144)
Art:	**116.599**

TACTICAL NEEDLE RESISTANT GLOVES

Goatskin, touchscreen compatible.

- Palm and fingers made of premium grade black goatskin.
- Needle stick resistant material in the palm and fingers provides protection from needle hazards and increases cut resistance as well as abrasion and puncture resistance. ASTM Hypodermic Needle (25 gauge) Puncture Resistance is level 5.
- Provides extreme blade cut resistance, EN 388:2016, level F (highest level).
- Touch screen material in the fingertips for operating with touch screen devices.
- Elastic neoprene on back of hand keeps the hands warm and dry.
- A rubber pull tab makes gloves easy to pull on and remove.
- Adjustable Velcro closure on wrist.
- Very comfortable and fitted.
- Sewn with Kevlar® threads.

EN420:2003+A1:2009 | EN388:2016+A1:2018 2X21F

Suitable for: Law enforcement | Military | Special forces | Police | Security.

Standards:	EN 420, 388:2016, ASTM F2878
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11 | 12
Material:	Goatskin (Palm) Neoprene (Back)
Lining:	Steel (Palm lined)
Colour:	Black
Thickness:	
Length:	21-26 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**119.2212**

NEW!

NEEDLE RESISTANT GLOVES

Polyester liner, fully coated with foam Latex, needlestick resistant material.

- Needle stick-resistant material in palm, fingers and fingertips provides protection from needle hazards and increases cut resistance.
- ASTM Hypodermic Needle (25 gauges) Puncture Resistance is level 5.
- Provides extreme blade cut resistance, EN 388:2016, level F (highest level).
- Good grip in dry and wet conditions.

Suitable for: Waste handling | Recycling | Handling objects with sharp, rough edges, etc.

EN ISO 21420:2020 | EN388:2016+A1:2018 3X43F | ANSI/ISEA 105 ANSI CUT A9

Standards:	EN 21420, 388:2016, ASTM F2878 , ANSI/ISEA
Category:	CE Cat. II
Sizes:	8 | 9 | 10 | 11
Material:	Latex/Polyester
Lining:	Cotton, Steel
Colour:	Black
Thickness:	
Length:	24-29 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**119.7000**

NEW!

CUT RESISTANT ASSEMBLY GLOVES

MacroSkin Pro® with Velcro closure.

- A rugged work glove that lasts long.
- Cut-resistant layer in the palm.
- Reinforced palm and fingertips.
- Soft and supple neoprene wrist with adjustable Velcro closure.
- Good breathability.

Suitable for: Rough work, e.g. for offshore usage | Iron fixing | Sawmill work | Work involving risk of cut injuries.

EN ISO 21420:2020 EN388:2016+A1:2018

3X33D

EX® BY GRANBERG

Standards:	EN 21420, 388:2016, UKCA
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	MacroSkin Pro® (Palm) Spandex®/Polyester (Back)
Lining:	Para Aramid (Palm lined)
Colour:	Black, Grey, Green
Thickness:	
Length:	23-26 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**120.1119**

OUR BRANDS

GRANBERG®

Genuine. Our very own brand. Developed through years of experience and still making history. A wide selection of gloves for the job at hand. An ever-evolving brand, from regular protection to the latest innovations in fabrics and materials.

EX®

EX® for EXemplary. EX® high-performance protective gloves are easily recognisable due to the Hi-Viz green colour added for extra visibility, manufactured using the latest technologies and innovative materials, reflecting our high standards for design and safety. Choose between goatskin, MicroSkin Shield® or MacroSkin Pro® materials and enjoy the durability, optimum grip, breathability, flexibility, and enhanced comfort. EX® is an EXcellent choice!

CHEMSTAR®

Harmony. Hand and glove in perfect chemistry. Let your hand be the star and let Chemstar® support it. Chemstar® is the best choice for protection against chemical agents. For no risk, no exposure and no chance for chemical endangerment; remember Chemstar®. Available both as single-use and reusable gloves.

PROTECTOR

Shield. Do your hands work in harsh settings? Is your job a dangerous and risky operation? Protector® provides extreme durability and the best cut resistance in its class. With these gloves on, you are safe even in the toughest of conditions. In a rough environment, you don't need heavy armour gauntlets, the job will get done safely with Protector®.

POWERFIT®

Genuine. Our very own brand. Developed through years of experience and still making history. A wide selection of Embrace. POWERFIT® provides a superb grip, tactile sensitivity, comfort and protection for a true multi-tasker. Highly durable and resistant, and yet still remains friendly to your skin and the environment.
Get a grip on the situation with POWERFIT®.

MAGIC TOUCH®

Enchanting. The glove that's soft, sensitive, and smooth as silk. It makes every detail come alive. Magic Touch® comes in thin powder-free nitrile for that extra sensitive touch. A wide range of features helps you find just the right glove. When you need magic through your fingertips; its an easy choice, it's Magic Touch®!

BLACK DIAMOND

Resilient. Brute force, fine craftsmanship, authenticity and integrity, that is our Black Diamond®. Thanks to its liquid-repellent coating, our Black Diamond® fights off water and oils with ease.
Work hard, protect harder with Black Diamond®.

BAMBOO®

Organic. Bamboo®, a gift from nature adapted to protect even the most sensitive skin. Softer than cotton, this glove lives and breathes inspiration in the workplace. A pleasure to touch and a joy to wear. The eco-friendly Bamboo® is a natural winner.

KOZANE®

Kozane® is an innovative high-tech material with greater cut, abrasion and slash resistance than any other textile or fabric in its class. Yet it is soft and flexible enough to make into protective clothing that won´t make you feel like you´re wearing a suit of armour.

Kozane® Soft Armour Textile - www.kozaneprotection.com

CHEMICAL RESISTANT GLOVES

OUR HANDS ARE EXPOSED TO CHEMICALS TO A GREATER EXTENT THAN MOST OF US REALIZE

Most of us use the word chemicals to refer to substances contained in fluids which are used in industries, laboratories, sanitation work, etc. However, what most of us are unaware of is the fact that we are actually exposed to chemicals on a daily basis.

A person can be contaminated in a variety of ways. Absorption through skin contact with chemicals is the most common.

One way of preventing contamination injuries and illnesses through skin contact is to make sure you wear the correct protection for the chemical you are about to handle.

All glove types react differently to exposure to different chemicals. Our website contains an extensive database of chemicals which are tested with our chemical resistant gloves.

The database will give you a glove recommendation and a permeation time to enable you to choose the best protection available for your application.

SIMILAR, BUT REALLY DIFFERENT

Use the list below to compare the properties of the products.

				Glove Material					
Art.no	Length (cm)	Single Use	Foodsafe	Lining	PVC/Vinyl	Nitrile	Neoprene	Latex	More
109.229	31			●	●				Winter lined, oil repellent
109.1730	30			●	●				Oil repellent
109.8135	35			●	●				Oil repellent
111.0300	30			●[2]	●				Phthalate free
112.0122	30		●	●[2]				●	
112.0700	30		●[1]	●[2]				●	
114.0630	30		●	●		●			Oil repellent
114.0630W	30		●	●		●			Oil repellent
114.0660	68		●	●		●			Oil repellent, long cuff
114.0660W	68		●	●		●			Winter lined, oil repellent, long cuff
114.1000	33		●	●[2]		●			Oil repellent
114.1046	46		●			●			Oil repellent
114.2000	30			●[2]			●		Oil repellent
114.3000	40		●	●			●		Heat resistant, winter lined, oil repellent
114.3230	33					●			
114.6000	35			●		●			Oil repellent
114.940	27	●	●			●			Powder free, high visibility, extra long
114.960	24	●	●			●			Medical approval
114.970	24	●				●			Powder free, fish scale pattern gip
114.980	28,5	●	●			●			Medical approval
114.9015	38			●		●			Cut resistant, oil repellent
115.6050	35			●		●			Impact protective, oil repellent
115.9011	39			●		●			Cut resistant, impact protective, oil repellent
115.9012	32			●		●			Cut resistant, impact protective, oil repellent
115.9013	38			●		●			Cut resistant, impact protective
115.9014	32			●		●			Cut resistant, impact protective

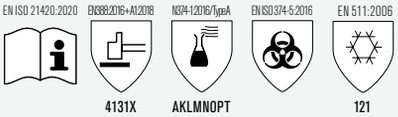
[1] *Must **not** be used in direct contact with fatty foods.*
[2] *Flock lined.*

VINYL/PVC CHEMICAL RESISTANT WINTER GLOVES

Removable acrylic flannel liner.

- Highly durable.
- Comfortable and flexible.
- Remains soft in temperatures as low as -20 °C.
- Resistant to petrol, diesel and many chemicals.
- Liner can be washed/dried separately.
- Sanitized® treated to prevent bacteria growth and promote freshness.

Suitable for: Fishermen | Cold storage work | Outdoor winter work.



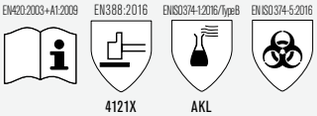
CHEMSTAR BY GRANBERG	
Standards:	EN 21420, 388:2016, 374:2016, 511
Category:	CE Cat. III
Sizes:	9 | 10
Material:	Vinyl/PVC
Lining:	Acrylic flannel
Colour:	Blue
Thickness:	3,75 ± 0,75 mm
Length:	31 cm
Weight:	
Packaging:	Pair (10/60)
Art:	**109.229**

VINYL/PVC CHEMICAL RESISTANT GLOVES

Cotton interlock lined.

- Flexible and soft.
- Seamless liner for great comfort during use.
- Sanitized® treated to prevent bacteria growth and promote freshness.

Suitable for: Fishing/processing | General use in wet conditions.



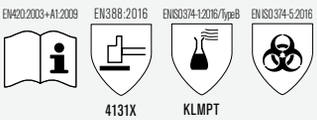
CHEMSTAR BY GRANBERG	
Standards:	EN 420, 388:2016, 374:2016
Category:	CE Cat. III
Sizes:	9 | 10 | 11
Material:	Vinyl/PVC
Lining:	Interlock
Colour:	Orange
Thickness:	2 ± 0,25 mm
Length:	30 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**109.1730**

VINYL/PVC CHEMICAL RESISTANT GLOVES

Seamless nylon liner.

- Highly durable.
- Soft with outstanding grip in dry, wet and oily conditions.
- Flexible, and less tiring to the hand.
- Easier to get on and off.
- Special double-dipped vinyl/PVC coating.
- Sanitized® treated to prevent bacteria growth and promote freshness.

Suitable for: Refining – Oil and Petrol | Handling acids, caustics and solvents | Petrochemicals | Public utilities.



CHEMSTAR BY GRANBERG	
Standards:	EN 420, 388:2016, 374:2016
Category:	CE Cat. III
Sizes:	8 | 9 | 10 | 11 | 12
Material:	Vinyl/PVC
Lining:	Nylon
Colour:	Black, Green
Thickness:	3 ± 0,3 mm
Length:	35 cm
Weight:	
Packaging:	Pair (6/60)
Art:	**109.8135**

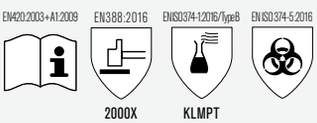
PHTHALATE FREE

VINYL/PVC CHEMICAL RESISTANT GLOVES

Anti-allergic, cotton flock lined.

- Comfortable and soft.
- Resistant to many chemicals including bleach.
- Anti-allergy tested. Contains no known allergens.
- Phthalates-free.

Suitable for: Professional cleaning | Catering etc.



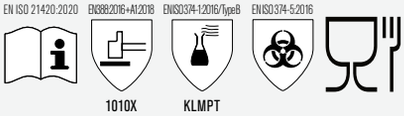
CHEMSTAR BY GRANBERG	
Standards:	EN 420, 388:2016, 374:2016
Category:	CE Cat. III
Sizes:	7 | 8 | 9 | 10
Material:	Vinyl/PVC
Lining:	Flocklined
Colour:	Blue
Thickness:	0,4 mm
Length:	30 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**111.0300**

LATEX CHEMICAL RESISTANT GLOVES

Cotton flock lined.

- Tear-resistant beaded cuff for easy donning.
- Anti-slip pattern for good grip in wet and dry conditions.
- Pure cotton flock liner to absorb perspiration.

Suitable for: Handling meat and fatty foodstuffs | Pharmaceutical industry | Cleaning | Light assembly | Laboratories.



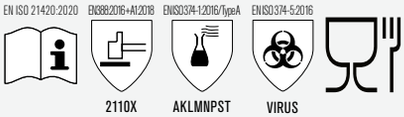
CHEMSTAR BY GRANBERG	
Standards:	EN 21420, 388:2016, 374:2016, 1186
Category:	CE Cat. III
Sizes:	XS | S | M | L | XL
Material:	Latex
Lining:	Flocklined
Colour:	Blue
Thickness:	0,38 mm
Length:	30 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**112.0122**

LATEX CHEMICAL RESISTANT GLOVES

Unsupported, cotton flock lined.

- Additional neoprene layer in the palm area increases chemical resistance.
- Reliable chemical Type A protection.
- Anti-slip pattern for good grip in wet and dry conditions.
- Flexible and soft.

Suitable for: Industrial Cleaning | Petrochemical industry | Aerospace and automobile industry | Printing industry | Food industry.



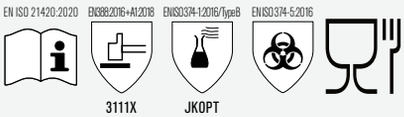
CHEMSTAR BY GRANBERG	
Standards:	EN 21420, 388:2016, 374:2016, 1186
Category:	CE Cat. III
Sizes:	8 | 9 | 10
Material:	Latex/Neoprene
Lining:	Flocklined
Colour:	Blue, Yellow
Thickness:	0,7 mm
Length:	30 cm
Weight:	
Packaging:	Pair (12/72)
Art:	**112.0700**

NITRILE CHEMICAL RESISTANT GLOVES

Interlock lined.

- Durable.
- Protection against chemicals, diesel fuel, petrol and oil.
- Good anatomical fit applied for maximum comfort.
- 3-4 times longer life-span than equivalent vinyl/PVC gloves.
- Approved to be used in direct contact with all types of food, including fatty foods.

Suitable for: Direct contact with all types of foodstuffs | Oil and petrochemical industry | Fishing/fish farming | Handling shellfish | Deck work etc.



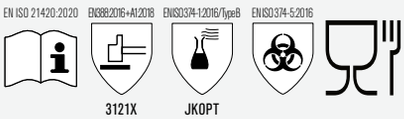
CHEMSTAR BY GRANBERG	
Standards:	EN 21420, 388:2016, 374:2016, 1186
Category:	CE Cat. III
Sizes:	7 | 8 | 9 | 10 | 11
Material:	Nitrile
Lining:	Interlock
Colour:	Blue
Thickness:	0,8 mm
Length:	30 cm
Weight:	
Packaging:	Pair (10/120)
Art:	**114.0630**

NITRILE CHEMICAL RESISTANT WINTER GLOVES

Winter lined.

- Durable.
- Protection against cold and chemicals, diesel fuel, petrol and oil.
- Good anatomical fit applied for maximum comfort.
- 3-4 times longer life-span than equivalent vinyl/PVC gloves.
- Approved to be used in direct contact with all types of food, including fatty foods.

Suitable for: Direct contact with all types of foodstuffs | Fishing industry or work in wet and cold conditions.



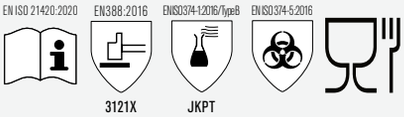
CHEMSTAR BY GRANBERG	
Standards:	EN 21420, 388:2016, 374:2016, 1186
Category:	CE Cat. III
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	Nitrile
Lining:	Synthetic liner
Colour:	Blue
Thickness:	Fleece + 0,8 mm
Length:	30 cm
Weight:	
Packaging:	Pair (5/60)
Art:	**114.0630W**

NITRILE CHEMICAL RESISTANT GLOVES

With long, welded nitrile cuff.

- Protects against fluid, chemicals, petrol and oil.
- Anatomic fit for optimum comfort.
- High resistance against abrasion gives durable gloves.
- Approved to be used in direct contact with all types of food, including fatty foods (EN 1186).
- The long cuff extends the gloves' application area.

Suitable for: Medium to heavy duty work in wet environments and chemical processing, fishing industry, oil industry, industrial cleaning.



GranberG®

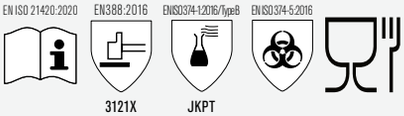
Standards:	EN 21420, 388:2016, 374:2016, 1186
Category:	CE Cat. III
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	Nitrile
Lining:	Interlock
Colour:	Blue
Thickness:	0,8 mm
Length:	68 cm
Weight:	
Packaging:	Pair (6/72)
Art:	**114.0660**

NITRILE CHEMICAL RESISTANT WINTER GLOVES

With long, welded nitrile cuff, winter lined.

- Durable winter gloves that withstand the toughest conditions.
- Resistant to fish fat, particularly salmon fat.
- Anatomic fit for optimum comfort.
- The long cuff extends the gloves' application area.

Suitable for: Food industry | Work with acid baths, washing trays, etc. | Industrial cleaning, sewage and waste disposal | Handling of chemicals etc.



GranberG®

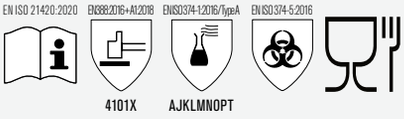
Standards:	EN 21420, 388:2016, 374:2016, 1186
Category:	CE Cat. III
Sizes:	8 | 9 | 10 | 11 | 12
Material:	Nitrile
Lining:	Synthetic liner
Colour:	Blue
Thickness:	Fleece + 0,8 mm
Length:	68 cm
Weight:	
Packaging:	Pair (6/72)
Art:	**114.0660W**

NITRILE CHEMICAL RESISTANT GLOVES

Unsupported, cotton flock lined.

- Specifically designed to provide high durability and protection against solvents.
- Anti-slip pattern for good grip in wet and dry conditions.
- Approved to be used in direct contact with all types of food, including fatty foods.

Suitable for: Industrial cleaning | Petrochemical Industry | Aerospace and automobile industry | Printing industry | Surface coating | Metal fabrication | Food industry.



CHEMSTAR® BY GRANBERG

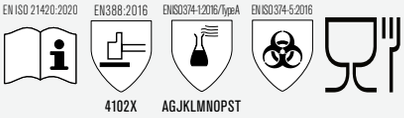
Standards:	EN 21420, 388:2016, 374:2016, 1186
Category:	CE Cat. III
Sizes:	7 | 8 | 9 | 10 | 11
Material:	Nitrile
Lining:	Flocklined
Colour:	Green
Thickness:	0,38 mm
Length:	33 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**114.1000**

NITRILE CHEMICAL RESISTANT GLOVES

Unsupported. 46 cm length.

- Specifically designed to provide high durability and protection against solvents.
- Thicker gauge for increased durability.
- Textured palm for excellent grip in wet and dry conditions.
- Approved to be used in direct contact with all types of food, including fatty foods.

Suitable for: Industrial cleaning | Petrochemical Industry | Aerospace and automobile industry | Printing industry | Surface coating | Metal fabrication | Food industry.



CHEMSTAR® BY GRANBERG

Standards:	EN 21420, 388:2016, 374:2016, 1186
Category:	CE Cat. III
Sizes:	8 | 9 | 10
Material:	Nitrile
Lining:	
Colour:	Green
Thickness:	0,55 mm
Length:	46 cm
Weight:	
Packaging:	Pair (12/72)
Art:	**114.1046**

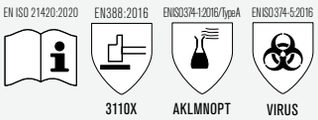
NEOPRENE CHEMICAL RESISTANT GLOVES

Unsupported, cotton flock lined.

- Durable.
- High chemical resistance.
- Anti-slip pattern for good grip in wet and dry conditions.
- Pure cotton flock liner to absorb perspiration.

Suitable for: Automotive Industry | Chemical Industry | Industrial Cleaning | Oil Refining.

Contains latex.

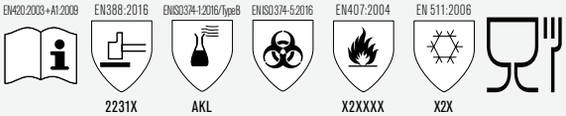


CHEMSTAR BY GRANBERG	
Standards:	EN 21420, 388:2016, 374:2016
Category:	CE Cat. III
Sizes:	8 | 9 | 10
Material:	Neoprene
Lining:	Flocklined
Colour:	Black
Thickness:	0,75 mm
Length:	30 cm
Weight:	
Packaging:	Pair (6/72)
Art:	**114.2000**

NEOPRENE CHEMICAL RESISTANT GLOVES

Pro-X® bonded warm acrylic liner.

- Durable and comfortable.
- Retains its softness and elasticity even in cold environment.
- High chemical resistance.
- Contact heat resistance up to 250°C for 15 seconds.
- Pro-X® bonded acrylic liner inside.
- Approved to be used in direct contact with all types of food, including fatty foods.



CHEMSTAR BY GRANBERG	
Standards:	EN 420, 388:2016, 374:2016, 407:2004, 511, 1186
Category:	CE Cat. III
Sizes:	8 | 9 | 10 | 11
Material:	Neoprene
Lining:	Acrylic flannel
Colour:	Black
Thickness:	0,65 mm
Length:	40 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**114.3000**

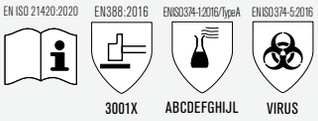
NITRILE CHEMICAL RESISTANT GLOVES

Unsupported, unlined.

- Special nitrile formulation to provide protection against a wide range of Ketones, such as e.g. Acetone and MEK.
- Lightweight and touch sensitive.
- Anatomically shaped for comfort.
- Anti-static.

Suitable for: Ink, paint, and printing industries | Manufacturing of gums, resins, and composite material | Metal treatment using solvents | Manufacture of plastics | Handling of ketones, aliphatic and aromatic hydrocarbons in laboratories | Automotive and aircraft industries.

Recommended time for direct contact with water is no longer than 10 minutes.



CHEMSTAR BY GRANBERG	
Standards:	EN 21420, 388:2016, 374:2016, 1149
Category:	CE Cat. III
Sizes:	7 | 8 | 9 | 10 | 11
Material:	Nitrile
Lining:	Unlined
Colour:	Blue
Thickness:	0,28 mm
Length:	33 cm
Weight:	
Packaging:	Pair (12/60)
Art:	**114.3230**

CHEMICAL RESISTANT GLOVES

Seamless polyester liner.

- Excellent grip enables users to handle dry, wet or oily objects with ease.
- Reliable chemical Type A protection.
- Extra softness and flexibility.
- Special double-dipped sandy nitrile coating on the palm.

Suitable for: Petrochemical Industry | Aerospace and mobile industry | Printing industry | Metal fabrication | Public utilities | Industrial cleaning.

CHEMSTAR BY GRANBERG	
Standards:	EN 21420, 388:2016, 374:2016
Category:	CE Cat. III
Sizes:	8 | 9 | 10 | 11 | 12
Material:	Nitrile
Lining:	Polyester
Colour:	Blue, Black
Thickness:	1,30 mm
Length:	35 cm
Weight:	
Packaging:	Pair (12/72)
Art:	**114.6000**

SINGLE-USE CHEMICAL RESISTANT GLOVES

Nitrile, powder free. Orange colour. 27 cm length.

- Tested and approved for various chemicals.
- Micro textured for optimum grip.
- Resistant to grease, fats, detergents, etc.
- Approved to be used in direct contact with all types of food, including fatty foods (EN 1186).
- Approved for medical use (EN 455).
- Tested according to ASTM D6978-05 - Resistance of Medical Gloves to Permeation by Chemotherapy Drugs.

Suitable for: Laboratories | Chemical industry | Automotive industry | Mechanical workshops | Light assembly | Food industry.

EN ISO 21420:2020 | EN ISO 374-1:2016/Type B | EN ISO 374-5:2016 | MD | AQL 0.65

KPT | VIRUS

Standards:	EN 21420, 374:2016, 455, 1186
Category:	CE Cat. III
Sizes:	S | M | L | XL | XXL
Material:	Nitrile
Lining:	
Colour:	Orange
Thickness:	Min 0,11 mm (Palm)
Length:	27 cm
Weight:	7,2 ± 0,5 g
Packaging:	Dispenser box (10/100)
Art:	**114.940**

SINGLE-USE CHEMICAL RESISTANT GLOVES

Nitrile, powder free. Indigo colour. 28.5 cm length.

- Tested and approved for various chemicals.
- Micro textured for optimum grip.
- Resistant to grease, fats, detergents, etc.
- Tear-resistant beaded cuff for added protection from potential chemical spills and drips.
- Approved to be used in direct contact with all types of food, including fatty foods (EN 1186).
- Approved for medical use (EN 455).

Suitable for: Laboratories | Chemical industry | Automotive industry | Mechanical workshops | Light assembly | Food industry.

EN420:2003+A1:2009 | EN ISO 374-1:2016/Type B | EN ISO 374-5:2016 | MD | AQL 1.5

KPT | VIRUS

Standards:	EN 420, 374:2016, 455, 1186
Category:	CE Cat. III
Sizes:	S | M | L | XL | XXL
Material:	Nitrile
Lining:	
Colour:	Indigo
Thickness:	0,11 mm (Palm)
Length:	28,5 cm
Weight:	8,8 ± 0,5 g
Packaging:	Dispenser box (10/50)
Art:	**114.980**

CHEMICAL PROTECTIVE GLOVES WITH CUT RESISTANCE

Bonded with 360⁰ Anti-Cut Typhoon® Liner.

- Nitrile offering liquid-proof barrier and protection against a wide range of chemicals and high abrasion-resistant durability.
- EN 374:2016/Type A high chemical resistance. The Nitrile coating offers ≥ 480 minutes of permeation time for n-Heptane found in oil-based muds.
- High visibility green for maximum safety.
- Tested according to EN 388:2016 (mechanical and impact protection) and EN 374:2016 (chemical protection).
- Heat resistant up to 100°C for 15 seconds.

Suitable for: Oil & Gas: Upstream, Transportation, Downstream and Clean Up | Sewage/Draining Facilities | Water Treatment Facilities.

EN420:2003+A1:2009 | EN388:2016+A1:2018 | EN ISO 374-1:2016/Type A | EN ISO 374-5:2016 | EN407:2004 | ANSI/ISEA 105 ANSI CUT A7

4X44F | AJKOPT | X1XXXX

Standards:	EN 420, 388:2016, 374:2016, 407:2004, ANSI/ISEA
Category:	CE Cat. III
Sizes:	8/M | 9/L | 10/XL | 11/XXL | 12/XXXL
Material:	Nitrile
Lining:	Typhoon® (Fully lined)
Colour:	Green
Thickness:	1,55 mm
Length:	38 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**114.9015**

CHEMICAL AND IMPACT RESISTANT GLOVES

Seamless nylon liner.

- Provides protection against OBMs (oil based muds), lubricants, and fluids.
- Excellent sandy nitrile grip enables users to handle dry, wet or oily surfaces with ease.
- Powerful and flexible impact protection.
- Very soft and flexible.
- Made from 100% Nitrile.

Suitable for: Oil and Gas | Mining.

Design protected.

EN ISO 21420:2020 | EN388:2016+A1:2018 | EN ISO 374-1:2016/Type A | EN ISO 374-5:2016 | ANSI/ISEA 138-2019 | 2

4111XP | AJKLMNPT

Standards:	EN 21420, 388:2016, 374:2016, ANSI/ISEA
Category:	CE Cat. III
Sizes:	8 | 9 | 10 | 11 | 12
Material:	Nitrile
Lining:	Polyester (Fully lined)
Colour:	Blue, Black
Thickness:	
Length:	35 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**115.6050**

IMPACT AND CHEMICAL PROTECTIVE GLOVES

Typhoon® fibre liner.

- Typhoon® cut level D liner provides 360° protection.
- Nitrile coating provides wide range of chemical protection.
- Outstanding palm grip to handle slippery and/or oily objects.
- Powerful impact protective details on back of hand.
- Wide cuff and glove length is 39 cm.

Suitable for: Work on drill floors on oil rigs when in contact with oil mud, other lubricants and chemicals.

EN420:2003+A1:2009 | EN388:2016+A1:2018 | EN ISO 374-1:2016/Type A | EN ISO 374-5:2016

4X43DP | AJKOPT

Standards:	EN 420, 388:2016, 374:2016
Category:	CE Cat. III
Sizes:	8 | 9 | 10 | 11
Material:	Nitrile
Lining:	Typhoon® (Fully lined)
Colour:	Green
Thickness:	1,55 mm
Length:	39 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**115.9011**

IMPACT AND CHEMICAL PROTECTIVE GLOVES

Typhoon® fibre liner.

- Typhoon® cut level D liner provides 360° protection.
- Nitrile coating provides wide range of chemical protection.
- Outstanding palm grip to handle slippery and/or oily objects.
- Powerful impact protective details on back of hand.
- Wide cuff and glove length is 32 cm.

Suitable for: Work on drill floors on oil rigs when in contact with oil mud, other lubricants and chemicals.

Design protection ongoing.

EN420:2003+A1:2009 | EN388:2016+A1:2018 | EN ISO 374-1:2016/Type A | EN ISO 374-5:2016

4X43DP | AJKOPT

Standards:	EN 420, 388:2016, 374:2016
Category:	CE Cat. III
Sizes:	8 | 9 | 10 | 11
Material:	Nitrile
Lining:	Typhoon® (Fully lined)
Colour:	Green
Thickness:	1,55 mm
Length:	32 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**115.9012**

CHEMICAL-AND-CUT RESISTANT GLOVES WITH IMPACT PROTECTION

Nitrile, Typhoon® liner, high visibility green.

- Nitrile provides liquid-proof barrier and protection against a wide range of chemicals.
- High abrasion-resistant material increases durability.
- High chemical resistance (EN 374:2016/Type A) and approved for a number of different chemicals.
- Approved for 48% Hydrofluoric acid (HF) with > 480 minutes permeation time (in liquid form).
- Approved for 99% Hydrogen fluoride (HF) with > 480 minutes permeation time (in gas form).
- High visibility green for maximum safety.
- Heat resistant up to 100°C for 15 seconds.

Suitable for: Petrochemical Industries | Clean Up | Sewage/Draining Facilities | Water Treatment Facilities.

Design Protected.

EN420:2003+A1:2009 | EN388:2016+A1:2018 | EN ISO 374-1:2016/Type A | EN ISO 374-5:2016 | EN407:2004 | ANSI/ISEA 105 ANSI CUT A7 | ANSI/ISEA 138-2019 2

4X44FP | AJKOPT | X1XXXX

Standards:	EN 420, 388:2016, 374:2016, 407:2004, ANSI/ISEA
Category:	CE Cat. III
Sizes:	8/M | 9/L | 10/XL | 11/XXL
Material:	Nitrile
Lining:	Typhoon® (Fully lined)
Colour:	Black, Green
Thickness:	1,55 mm
Length:	38 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**115.9013**

CHEMICAL-AND-CUT-RESISTANT GLOVES WITH IMPACT PROTECTION

Nitrile, Typhoon® liner, high visibility green.

- Nitrile provides liquid-proof barrier and protection against a wide range of chemicals.
- High abrasion-resistant material increases durability.
- High chemical resistance (EN 374:2016/Type A) and approved for a number of different chemicals.
- Approved for 48% Hydrofluoric acid (HF) with > 480 minutes permeation time (in liquid form).
- Approved for 99% Hydrogen fluoride (HF) with > 480 minutes permeation time (in gas form).
- High visibility green for maximum safety.
- Heat resistant up to 100°C for 15 seconds.
- Shorter version of 115.9013.

Suitable for: Petrochemical Industries | Clean Up | Sewage/Draining Facilities | Water Treatment Facilities.

Design Protected.

EN420:2003+A1:2009 | EN388:2016+A1:2018 | EN ISO 374-1:2016/Type A | EN ISO 374-5:2016 | EN407:2004 | ANSI/ISEA 105 ANSI CUT A7 | ANSI/ISEA 138-2019 2

4X44FP | AJKOPT | X1XXXX

Standards:	EN 420, 388:2016, 374:2016, 407:2004, ANSI/ISEA
Category:	CE Cat. III
Sizes:	8/M | 9/L | 10/XL | 11/XXL
Material:	Nitrile
Lining:	Typhoon® (Fully lined)
Colour:	Black, Green
Thickness:	1,55 mm
Length:	32 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**115.9014**

IMPACT RESISTANT GLOVES

reddot design award

Granberg has been the proud winner of the prestigious Red Dot design award for two consecutive years in 2015 and 2016, and again in 2022.

115.3260 115.3270W 115.4999W

115.9001 115.9002 115.5501

SIMILAR, BUT REALLY DIFFERENT

Use the list below to compare the properties of the products.

	Fit							Grip			
Art.no	Tight	Normal	Loose	Cut Resistant	Chemical Resistant	High Visibility	Coated	Dry	Wet	Oil	More
113.1190	●			●				●	●		
115.3250		●		●		●		●	●		
115.3260		●		●		●		●	●		Waterproof and breathing membrane
115.3270W		●		●				●	●		Waterproof and breathing membrane
115.3280		●		●		●		●	●		
115.4999W	●			●				●	●		Waterproof and breathing membrane
115.5501	●			●			●	●	●		Seamless
115.5502	●			●			●	●	●		Seamless
115.6050	●				●		●	●	●	●	Protects against oil muds
115.9001		●		●		●		●	●	●	
115.9002		●		●		●		●	●	●	Waterproof, winter lined
115.9007	●			●		●	●	●	●	●	Seamless
115.9011		●		●	●	●	●	●	●	●	Visibility colour
115.9012		●		●	●	●	●	●	●	●	Visibility colour
115.9013		●		●	●	●	●	●	●	●	
115.9014		●		●	●	●	●	●	●	●	

NEW!

ARC FLASH APPROVED

CUT AND IMPACT RESISTANT GLOVES

Goatskin, fully Kevlar® lined.

- Soft and strong goatskin leather provides the gloves good dexterity and touch sensitivity.
- Impact protection on back of hand.
- Full Kevlar® lining protects hands from cuts.
- Impact protective details in bright colour for increased safety.
- Sewn with Kevlar® threads.
- Comfortable and fitted
- Arc flash approved to Level 2, with an Arc Thermal Performance Value (ATPV) of 13 cal/cm^2.

Suitable for: Building and Construction | Oil and Gas | Heavy-duty applications.

EN ISO 21420:2020 | EN388:2016+A1:2018 | EN 407:2020 | ANSI/ISEA 105 | ANSI/ISEA 138-2019

3X22CP | X1XXXX | ANSI CUT A2 | 2

Design Protected.

GranberG®	
Standards:	EN 21420, 388:2016, 407, ASTM F2675/F2675M, ANSI/ISEA, UKCA
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	Goatskin
Lining:	Kevlar® (Fully lined)
Colour:	White, Green
Thickness:	
Length:	24-26 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**113.1190**

NEW!

CUT- AND IMPACT-RESISTANT GLOVES

Goatskin palm, Spandex® back, TPR impact protection, Velcro closure.

- High protection against cuts in palm and fingers, approved according to EN 388:2016 cut level D.
- Powerful but soft and flexible TPR impact protection design on the back of the hand.
- Full goatskin palm provides durability and good grip.
- Spandex® material on the back of the hand for good fitting, greater flexibility and breathability.
- Elastic wrist with adjustable Velcro closure provides a secure but comfortable fit around the wrist.

Suitable for: Work involving risk of cut and impact injuries and performed in dry weather.

Design Protected.

EN ISO 21420:2020 | EN388:2016+A1:2018 | EN 407:2020 | ANSI/ISEA 105 | ANSI/ISEA 138-2019

2X32DP | X1XXXX | ANSI CUT A3 | 2

EX® BY GRANBERG	
Standards:	EN 21420, 388:2016, 407:2020, ANSI/ISEA, UKCA
Category:	CE Cat. II
Sizes:	8 | 9 | 10 | 11
Material:	Goatskin (Palm) Polyester,Spandex® (Back)
Lining:	Cut-resistant liner: Aramid, Glass fiber, Polyester
Colour:	White, Black, Green, Yellow
Thickness:	0,7-0,9 mm (Leather)
Length:	20,5-27,5 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**115.3250**

NEW!

reddot winner 2022

CUT, IMPACT, AND WATER-RESISTANT GLOVES

Goatskin palm, Spandex® back, TPR impact protection, waterproof ProTex® membrane, thin polyester mesh liner, Velcro closure.

- High protection against cuts in palm and fingers, approved according to EN 388:2016 cut level D.
- Powerful but soft and flexible TPR impact protection design on the back of the hand.
- Full goatskin palm provides durability and good grip in wet and dry conditions.
- Thin and soft polyester mesh liner covers membrane and provides comfort.
- Waterproof and breathable ProTex® membrane provides water resistance for activities in wet conditions.
- Spandex® material on the back of the hand for good fitting, greater flexibility and breathability.
- Elastic wrist with adjustable Velcro closure provides a secure but comfortable fit around the wrist.

Suitable for: Work involving risk of cut and impact injuries and performed in wet weather.

Design Protected.

EN ISO 21420:2020 | EN388:2016+A1:2018 | ANSI/ISEA 105 | ANSI/ISEA 138-2019

2X32DP | ANSI CUT A3 | 2

EX® BY GRANBERG	
Standards:	EN 21420, 388:2016, ANSI/ISEA, UKCA
Category:	CE Cat. II
Sizes:	9 | 10 | 11
Material:	Goatskin (Palm) Polyester, Spandex® (Back)
Lining:	Cut-resistant liner: Aramid, Glass fiber, Polyester
Colour:	White, Black, Green, Yellow
Thickness:	0,7-0,9 mm (Leather)
Length:	20,5-27,5 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**115.3260**

NEW!

reddot winner 2022

CUT, IMPACT, AND WATER-RESISTANT WINTER GLOVES

Goatskin palm, Spandex® back, TPR impact protection, waterproof ProTex® membrane, winter lining, velcro closure.

- High protection against cuts in palm and fingers, approved according to EN 388:2016 cut level D.
- Resistant to convective and contact cold in accordance with EN 511:2006 for protection against heat loss in cold environments and when handling cold objects.
- Powerful but soft and flexible TPR impact protection design on the back of the hand.
- Full goatskin palm provides durability and good grip in wet and dry conditions.
- Warm, soft fleece liner provides protection against cold.
- Waterproof and breathable ProTex® membrane provides water resistance for activities in wet conditions.
- Spandex® material on the back of the hand for good fitting, greater flexibility and breathability.
- Elastic wrist with adjustable Velcro closure provides a secure but comfortable fit around the wrist.

Suitable for: Outdoor work involving risk of cut and impact injuries and performed in cold and/or wet weather.

EN ISO 21420:2020 | EN388:2016+A1:2018 | EN 511:2006 | ANSI/ISEA 105 | ANSI/ISEA 138-2019

2X32DP | 120 | ANSI CUT A3 | 2

Design Protected.

EX® BY GRANBERG	
Standards:	EN 21420, 388:2016, 511, ANSI/ISEA, UKCA
Category:	CE Cat. II
Sizes:	9 | 10 | 11
Material:	Goatskin (Palm) Polyester, Spandex® (Back)
Lining:	Cut-resistant liner: Aramid, Glass fiber, Polyester
Colour:	White, Black, Green, Yellow
Thickness:	0,7-0,9 mm (Leather)
Length:	20,5-27,5 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**115.3270W**

NEW!

CUT- AND IMPACT-RESISTANT GLOVES

Goatskin palm, Spandex® back, TPR impact protection, Spandex® cuff.

- High protection against cuts in palm and fingers, approved according to EN 388:2016 cut level D.
- Powerful but soft and flexible TPR impact protection design on the back of the hand.
- Full goatskin palm provides durability and good grip.
- Spandex® material on the back of the hand for good fitting, greater flexibility and breathability.
- Elastic Spandex® cuff provides a comfortable fit around the wrist.

Suitable for: Work involving risk of cut and impact injuries and performed in dry weather.

Design Protected.

EN ISO 21420:2020 | EN388:2016+A1:2018 | EN407:2020 | ANSI/ISEA 105 | ANSI/ISEA 138-2019

2X32DP | X1XXXX | ANSI CUT A3 | 2

Standards:	EN 21420, 388:2016, 407:2020, ANSI/ISEA, UKCA
Category:	CE Cat. II
Sizes:	8 | 9 | 10 | 11
Material:	Goatskin (Palm) Polyester, Spandex® (Back)
Lining:	Cut-resistant liner: Aramid, Glass fiber, Polyester
Colour:	White, Black, Green, Yellow
Thickness:	0,7-0,9 mm (Leather)
Length:	20,5-27,5 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**115.3280**

NEW!

reddot winner 2022

CUT, IMPACT, AND WATER-RESISTANT WINTER GLOVES

MicroSkin Shield® synthetic material with waterproof ProTex® membrane, Velcro closure.

- Provides protection against cold and moisture.
- Powerful but soft impact protection on back of hand.
- Cut-resistant layer in the palm.
- Waterproof ProTex® membrane with excellent breathability.
- Warm and soft lining.
- Highly flexible.
- Excellent grip.

Suitable for: Outdoor work involving risk of cut and impact injuries and performed in cold and/or wet weather.

EN ISO 21420:2020 | EN388:2016+A1:2018 | EN 511:2006 | ANSI/ISEA 105 | ANSI/ISEA 138-2019

1X32DP | 110 | ANSI CUT A4 | 2

Design Protected.

Standards:	EN 21420, 388:2016, 511, ANSI/ISEA, UKCA
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11 | 12 | 13
Material:	MicroSkin Shield® (Palm) Spandex®/Polyester (Back)
Lining:	Synthetic liner/ProTex® membrane, Para Aramid (Palm lined)
Colour:	Black, Grey, Green, Yellow
Thickness:	
Length:	21-24 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**115.4999W**

reddot winner 2016

CUT RESISTANT GLOVES WITH IMPACT PROTECTION

Typhoon® fiber with nitrile foam coating.

- Designed for optimal ergonomics, very comfortable heavy-duty gloves.
- Typhoon® provides excellent cut C protection.
- Soft, but powerful impact protective details on back of hand.
- Abrasion-resistant nitrile foam coated palm provides excellent wet and dry grip.

Suitable for: Extreme working conditions within oil and gas industry | Shipping | Trawlers | Mining industry and related industries with very high demands for hand protection.

Design Protected.

EN420:2003+A1:2009 | EN388:2016 | ANSI/ISEA 105 | ANSI/ISEA 138-2019

4X43CP | ANSI CUT A3 | 1

Standards:	EN 420, 388:2016, ANSI/ISEA
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11
Material:	Nitrile
Lining:	Typhoon®
Colour:	Black, Grey
Thickness:	
Length:	
Weight:	
Packaging:	Pair (6/36)
Art:	**115.5501**

NEW!

ASSEMBLY GLOVES WITH IMPACT PROTECTION

Nitrile foam coating, nylon/spandex lining.

- Very soft and flexible TPR design on the back of the hand for powerful impact protection.
- TPR protects the fragile parts of the hands and reduces shock energy on the meta-carpals and knuckles.
- Exceptional comfortability with superb finger sensitivity.
- Patented nitrile foam technology provides good breathability and excellent dexterity.
- Nitrile foam coating disperses oil and enhances grip in wet, dry, or greasy conditions.
- Sanitized treated to prevent bacteria growth and promote freshness.

Suitable for: Work involving risk of impact injuries | Building and Construction | Warehouse work and general handling.

Design Protected.

EN ISO 21420:2020 | EN388:2016+A1:2018 | EN407:2020 | ANSI/ISEA 138-2019

4131XP | X1XXXX | 1

Standards:	EN 21420, 388:2016, 407:2020, ANSI/ISEA
Category:	CE Cat. II
Sizes:	8 | 9 | 10 | 11 | 12
Material:	Nitrile
Lining:	Nylon/Spandex®
Colour:	Black, Grey
Thickness:	
Weight:	23-27 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**115.5502**

NEW!

CHEMICAL AND IMPACT RESISTANT GLOVES

Seamless nylon liner.

- Provides protection against OBMs (oil based muds), lubricants, and fluids.
- Excellent sandy nitrile grip enables users to handle dry, wet or oily surfaces with ease.
- Powerful and flexible impact protection.
- Very soft and flexible.
- Made from 100% Nitrile.

Suitable for: Oil and Gas | Mining.

EN ISO 21420:2020 | EN388:2016+A1:2018 4111XP | EN ISO374-1:2016/TypeA AJKLMNPT | EN ISO 374-5:2016 | ANSI/ISEA 138-2019 2

Standards:	EN 21420, 388:2016, 374:2016, ANSI/ISEA
Category:	CE Cat. III
Sizes:	8 | 9 | 10 | 11 | 12
Material:	Nitrile
Lining:	Polyester (Fully lined)
Colour:	Blue, Black
Thickness:	
Length:	35 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**115.6050**

reddot winner 2015

CUT F IMPACT HI-VIZ™ PROTECTIVE GLOVES

Kozane® liner and G-Tech® material in palm and fingers.

- Produced for extreme working conditions for oil and gas professionals.
- Provides exceptional comfort and great grip.
- Kozane® cut resistant insert in the palm, exceeding EN 388 cut level F.
- Kozane® is an innovative high-tech material with greater cut, abrasion and slash resistance than any other textile or fabric in its class.
- Powerful but soft impact protection on back of hand.
- High visibility colours for increased safety.
- Designed for optimal ergonomics.
- Neoprene cuff provides comfort and wrist protection.
- Excellent breathability.

Suitable for: Extreme working conditions for oil and gas drilling, extraction and refining | Shipping | Trawlers | Mining | Demolition | Rigging | Heavy construction | Tool pushing etc.

EN420:2003+A1:2009 | EN388:2016+A1:2018 3X44FP | ANSI/ISEA 105 ANSI CUT A5 | ANSI/ISEA 138-2019 1

Design Protected.

Standards:	EN 420, 388:2016, ANSI/ISEA
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	MacroSkin Pro®, G-Tech® (Palm) Spandex® (Back)
Lining:	Kozane® (Palm lined)
Colour:	Black, Green, Yellow
Thickness:	
Length:	25-27 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**115.9001**

reddot winner 2015

CUT D IMPACT HI-VIZ™ PROTECTIVE GLOVES

Durable KR-Grip™ material in palm and fingers, waterproof, winter lined.

- Produced for extreme working conditions for oil and gas professionals.
- Powerful cut-resistant insert in palm and cuff.
- Powerful but soft impact protection on back of hand.
- Designed for optimal ergonomics.
- Waterproof ProTex® membrane with excellent breathability.
- Warm Fleece lining.
- Neoprene cuff provides comfort and wrist protection.
- Excellent breathability.

Suitable for: Extreme working conditions within oil and gas industry | Shipping | Trawlers | Mining industry and related industries with very high demands for hand protection | Tactical/army/police.

EN420:2003+A1:2009 | EN388:2016+A1:2018 3X43DP | EN 511:2006 11X

Design Protected.

Standards:	EN 420, 388:2016, 511, UKCA
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	KR-Grip™, MacroSkin Pro® (Palm) Spandex® (Back)
Lining:	Jersey fleece
Colour:	Black, Orange, Yellow
Thickness:	
Length:	25-27 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**115.9002**

CUT RESISTANT IMPACT HI-VIZ™ PROTECTIVE GLOVES

Typhoon® fibre with nitrile coating, oil resistant.

- Flexible. Comfortable heavy-duty gloves.
- Typhoon® provides excellent cut protection.
- Powerful impact protective details on back of hand.
- Impact details designed for optimum ergonomics.
- Abrasion-resistant sandy nitrile palm coating provides exceptional grip.

Suitable for: Extreme working conditions for oil and gas drilling, extraction and refining | Mining | Demolition | Rigging | Heavy construction | Tool pushing etc.

Design Protected.

EN ISO 21420:2020 | EN388:2016+A1:2018 4X43DP | ANSI/ISEA 105 ANSI CUT A4 | ANSI/ISEA 138-2019 2

Standards:	EN 21420, 388:2016, ANSI/ISEA, UKCA
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11 | 12
Material:	Nitrile
Lining:	Typhoon®
Colour:	Black, Grey, Green, Yellow
Thickness:	
Length:	24-28 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**115.9007**

IMPACT AND CHEMICAL PROTECTIVE GLOVES

Typhoon® fibre liner.

- Typhoon® cut level D liner provides 360° protection.
- Nitrile coating provides wide range of chemical protection.
- Outstanding palm grip to handle slippery and/or oily objects.
- Powerful impact protective details on back of hand.
- Wide cuff and glove length is 39 cm.

Suitable for: Work on drill floors on oil rigs when in contact with oil mud, other lubricants and chemicals.

EN420:2003+A1:2009 | EN388:2016+A1:2018 | EN ISO 374-1:2016/Type A | EN ISO 374-5:2016

4X43DP AJKOPT

GranberG®

Standards:	EN 420, 388:2016, 374:2016
Category:	CE Cat. III
Sizes:	8 | 9 | 10 | 11
Material:	Nitrile
Lining:	Typhoon® (Fully lined)
Colour:	Green
Thickness:	1,55 mm
Length:	39 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**115.9011**

IMPACT AND CHEMICAL PROTECTIVE GLOVES

Typhoon® fibre liner.

- Typhoon® cut level D liner provides 360° protection.
- Nitrile coating provides wide range of chemical protection.
- Outstanding palm grip to handle slippery and/or oily objects.
- Powerful impact protective details on back of hand.
- Wide cuff and glove length is 32 cm.

Suitable for: Work on drill floors on oil rigs when in contact with oil mud, other lubricants and chemicals.

Design protection ongoing.

EN420:2003+A1:2009 | EN388:2016+A1:2018 | EN ISO 374-1:2016/Type A | EN ISO 374-5:2016

4X43DP AJKOPT

GranberG®

Standards:	EN 420, 388:2016, 374:2016
Category:	CE Cat. III
Sizes:	8 | 9 | 10 | 11
Material:	Nitrile
Lining:	Typhoon® (Fully lined)
Colour:	Green
Thickness:	1,55 mm
Length:	32 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**115.9012**

CHEMICAL-AND-CUT RESISTANT GLOVES WITH IMPACT PROTECTION

Nitrile, Typhoon® liner, high visibility green.

- Nitrile provides liquid-proof barrier and protection against a wide range of chemicals.
- High abrasion-resistant material increases durability.
- High chemical resistance (EN 374:2016/Type A) and approved for a number of different chemicals.
- Approved for 48% Hydrofluoric acid (HF) with > 480 minutes permeation time (in liquid form).
- Approved for 99% Hydrogen fluoride (HF) with > 480 minutes permeation time (in gas form).
- High visibility green for maximum safety.
- Heat resistant up to 100°C for 15 seconds.

Suitable for: Petrochemical Industries | Clean Up | Sewage/Draining Facilities | Water Treatment Facilities.

Design Protected.

EN420:2003+A1:2009 | EN388:2016+A1:2018 | EN ISO 374-1:2016/Type A | EN ISO 374-5:2016 | EN407:2004 | ANSI/ISEA 105 ANSI CUT A7 | ANSI/ISEA 138-2019 2

4X44FP AJKOPT X1XXXX

GranberG®

Standards:	EN 420, 388:2016, 374:2016, 407:2004, ANSI/ISEA
Category:	CE Cat. III
Sizes:	8/M | 9/L | 10/XL | 11/XXL
Material:	Nitrile
Lining:	Typhoon® (Fully lined)
Colour:	Black, Green
Thickness:	1,55 mm
Length:	38 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**115.9013**

CHEMICAL-AND-CUT-RESISTANT GLOVES WITH IMPACT PROTECTION

Nitrile, Typhoon® liner, high visibility green.

- Nitrile provides liquid-proof barrier and protection against a wide range of chemicals.
- High abrasion-resistant material increases durability.
- High chemical resistance (EN 374:2016/Type A) and approved for a number of different chemicals.
- Approved for 48% Hydrofluoric acid (HF) with > 480 minutes permeation time (in liquid form).
- Approved for 99% Hydrogen fluoride (HF) with > 480 minutes permeation time (in gas form).
- High visibility green for maximum safety.
- Heat resistant up to 100°C for 15 seconds.
- Shorter version of 115.9013.

Suitable for: Petrochemical Industries | Clean Up | Sewage/Draining Facilities | Water Treatment Facilities.

Design Protected.

EN420:2003+A1:2009 | EN388:2016+A1:2018 | EN ISO 374-1:2016/Type A | EN ISO 374-5:2016 | EN407:2004 | ANSI/ISEA 105 ANSI CUT A7 | ANSI/ISEA 138-2019 2

4X44FP AJKOPT X1XXXX

GranberG®

Standards:	EN 420, 388:2016, 374:2016, 407:2004, ANSI/ISEA
Category:	CE Cat. III
Sizes:	8/M | 9/L | 10/XL | 11/XXL
Material:	Nitrile
Lining:	Typhoon® (Fully lined)
Colour:	Black, Green
Thickness:	1,55 mm
Length:	32 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**115.9014**

PROTECT YOUR HANDS AGAINST OILS SPILLS AND CHEMICALS

– WE GOT THE GLOVES!

CHEMSTAR 114.880

CHEMICAL RESISTANT SINGLE-USE GLOVES

Gloves in a strong yet elastic material with micro texture pattern grip for an optimal grip. standard length. Approved for use with any types of food.

CHEMSTAR 114.940

CHEMICAL RESISTANT SINGLE-USE GLOVES

Gloves in a strong yet elastic material with micro texture pattern grip for an optimal grip. Extra long (27 cm). Approved for use with any types of food, as well as for medical use.

CHEMSTAR 114.980

CHEMICAL RESISTANT SINGLE-USE GLOVES

Gloves in a strong yet elastic material with micro texture pattern grip for an optimal grip. Extra long (28,5 cm). Approved for use with any types of food, as well as for medical use.

ANTI-VIBRATION GLOVES

WHAT IS HAVS?

Hand-arm vibration syndrome (HAVS) is caused by vibration injuries from the use of hand-held vibrating tools.
This may lead to permanent health problems such as numbness of fingers, muscle weakness or white fingers.

WHAT ARE THE SYMPTOMS?

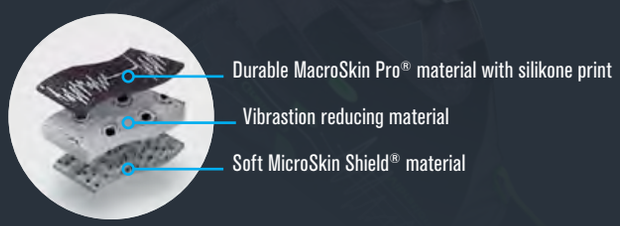
NEUROLOGICAL SYMPTOMS
Tingling, numbness, reduced skin sensation, reduced fine motor skills, increased “clumsiness”.

VASCULAR SYMPTOMS
Blanching of parts or all of the fingers (white fingers), sensitivity to cold.

MUSCULOSKELETAL SYMPTOMS
Tendonitis and stiffness/reduced dexterity in fingers, swollen and painful fingers.

HOW TO PREVENT HAVS

- Reduce the amount of time spent working with vibration tools.
- Use suitable low-vibration tools.
- Make sure cutting tools are kept sharp.
- Keep your hands warm and dry.
- Wear anti-vibration gloves.



VIBRATION-REDUCING WORK GLOVES

Macro Skin Pro® with Velcro closure, unlined.

- Reducing the risks of Hand-Arm Vibration Syndrome (HAVS).
- Approved according to Mechanical vibration and shock EN ISO 10819:2013 test.
- Provides protection at high frequencies combined with protection at a broad spectrum of frequencies.
- Special vibration reducing material layer in the palm.
- Comfortable and flexible.

Suitable for: Work using jackhammers, impact drills, impact wrenches, sanders, plate compactors, concrete saws and other vibrating tools.

Design Protected.

EN420:2003+A1:2009 EN388:2016

2221X

EX® BY GRANBERG

Standards:	EN 420, 388:2016, 10819, UKCA
Category:	CE Cat. II
Sizes:	8 | 9 | 10 | 11 | 12
Material:	MacroSkin Pro® (Palm) Spandex®/Polyester (Back)
Lining:	
Colour:	Black, Grey
Thickness:	
Length:	24 cm
Weight:	
Packaging:	Pair (6/60)
Art:	**107.4330**

WINTER GLOVES

EN 511:2006

When working in cold environments, the gloves you wear are just as important as your work clothes. It is essential to choose the right gloves to keep you warm and dry.
Many of our thermal gloves are approved according to the EN 511:2006 standard. In terms of assessing thermal insulation characteristics there are three tests.

First, the CONVECTIVE COLD TEST is carried out by placing the glove on an electrically heated hand model and measuring the power required to maintain the hand at a temperature of between 30 °C and 35 °C when it is placed in a controlled environment.

Second, the CONTACT COLD TEST, which measures thermal insulation when the glove comes into contact with a solid cold object.

The third test measures how well the glove can KEEP WATER OUT. If the water does penetrate the glove within 30 minutes of exposure, it fails.

Testing to EN 511:2006 also includes mechanical requirements based on the abrasion and tear resistance tests of EN 388 and the general requirements of EN 420.

SIMILAR, BUT REALLY DIFFERENT

Use the list below to compare the properties of the products.

Art.no	Chemical Resistant	Waterproof	Cut Resistant	Welcro Closure	Suitable as Liner Glove	Lining	Fit: Tight	Fit: Normal	Fit: Loose	More
101.4295W				●		Cotton fleece	●			
101.9540						Synthetic			●	
101.9740						Acrylic fur			●	
107.4202		●					●			Touchscreen compatible
107.4260						Acrylic fur			●	
107.4297W		●		●		Synthetic	●			Waterproof and breathing membrane
107.4997W		●	●	●		Synthetic	●			Waterproof and breathing membrane
107.7114		●				Synthetic	●			Waterproof and breathing membrane
107.8110						Synthetic		●		
107.8112		●				Synthetic			●	
108.8080		●				Acrylic flannel	●			Seamless
108.8095						Acrylic flannel	●			Seamless
109.0400W						Acrylic flannel	●			Seamless
109.229	●	●				Acrylic flannel		●		
110.0340					●		●			Seamless
110.0381					●		●			Seamless
113.1015						Cotton fleece	●			
113.1045				●		Synthetic	●			
113.1051		●				Synthetic		●		
113.1053		●				Synthetic		●		
113.4270				●		Polyester			●	Long and wide cuff
113.4280				●		Polyester			●	Long and wide cuff
114.0488W						Brushed acrylic	●			Seamless
114.0630W	●	●				Synthetic		●		Oil repellent
114.3000	●	●				Acrylic flannel		●		Heat resistant, oil repellent
114.3030						Brushed acrylic		●		Seamless
114.4272W				●		Jersey-fleece		●		Oil repellent
115.3270W		●	●	●		Synthetic		●		Waterproof and breathing membrane
115.4999W		●	●	●		Synthetic	●			Waterproof and breathing membrane
116.504			●		●	Synthetic	●			Seamless with long cuff
116.580			●			Acrylic flannel	●			Seamless
120.4282						Synthetic		●		
120.4284				●		Synthetic		●		
120.4292W						Synthetic		●		
120.4294W				●		Synthetic		●		

ASSEMBLY WINTER GLOVES

Pig grain leather with cotton back and Velcro closure, winter lined.

- Ideal for work that requires precision and touch sensitivity.
- Provides thermal insulation.

Suitable for: Assembly/fine work in cold conditions.

Design Protected.

EN420:2003+A1:2009 | EN388:2016 3121X | EN 511:2006 11X

Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	8 | 9 | 10 | 11
Material:	Pig grain (Palm) Cotton (Back)
Lining:	Cotton fleece (Fully lined)
Colour:	White, Black
Thickness:	0,8-0,9 mm
Length:	21-23 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**101.4295W**

WORK WINTER GLOVES

Pig grain leather with rubberized cuff, winter lined.

- Durable. For tasks with a high priority on wear resistance.
- Provides good thermal insulation.

Suitable for: Outdoor work in building and construction, etc.

EN ISO 21420:2020 | EN388:2016 2123X | EN 511:2006 130

Standards:	EN 21420, 388:2016, 511
Category:	CE Cat. II
Sizes:	10 | 11 | 12
Material:	Pig grain (Palm) Cotton drill (Back)
Lining:	Synthetic liner (Fully lined)
Colour:	Red, Beige
Thickness:	1,0-1,2 mm
Length:	27-29 cm
Weight:	
Packaging:	Pair (6/60)
Art:	**101.9540**

WORK WINTER GLOVES

Pig grain leather with pasted cuff, winter lined.

- Durable. For tasks with a high priority on wear resistance.
- Provides good thermal insulation.

Suitable for: Outdoor work in cold environments within building and construction industry.

EN ISO 21420:2020 | EN388:2016+A1:2018 4222X | EN 511:2006 11X

Standards:	EN 21420, 388:2016, 511
Category:	CE Cat. II
Sizes:	9 | 11
Material:	Pig grain (Palm) Cotton drill (Back)
Lining:	Acrylic fur (Fully lined)
Colour:	Black, Beige
Thickness:	1,0-1,2 mm
Length:	27-30 cm
Weight:	
Packaging:	Pair (6/60)
Art:	**101.9740**

TOUCHSCREEN COMPATIBLE ASSEMBLY WINTER GLOVES

MicroSkin Shield® material with ProTex® membrane, elastic polyester back.

- Recommended when operating with touch screen devices.
- Comfortable and fitted.
- Provides protection against cold and moisture.
- Sewn-in breathable ProTex® membrane ensures water resistance.
- Reflective print on the back increases safety.
- Anti-slip pattern in the palm provides enhanced grip.

Suitable for: Touch screen applications | General assembly | Cold Storage | Outdoor work.

EN420:2003+A1:2009 | EN388:2016+A1:2018 3111X | EN 511:2006 110

Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11
Material:	MicroSkin Shield® (Palm) Polyester (Back)
Lining:	Synthetic liner/ProTex® membrane (Fully lined)
Colour:	Black, Green
Thickness:	
Length:	22-26 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**107.4202**

WORK WINTER GLOVES

Synthetic Anacord, winter lined.

- Comfortable and flexible.
- Provides good thermal insulation.

Suitable for: Fork-lift driving | Work in freezer rooms, etc.

EN ISO 21420:2020 | EN388:2016+A1:2018 1221X | EN 511:2006 11X

Standards:	EN 21420, 388:2016, 511
Category:	CE Cat. II
Sizes:	8 | 10
Material:	Synthetic leather
Lining:	Polyester (Fully lined)
Colour:	Black
Thickness:	
Length:	27-31 cm
Weight:	
Packaging:	Pair (6/60)
Art:	**107.4260**

ASSEMBLY WINTER GLOVES

MicroSkin Shield® with ProTex® membrane, Velcro closure.

- Provides protection against cold and moisture.
- Warm and soft liner inside the gloves.
- Sewn-in thermal, waterproof and breathable ProTex® membrane.
- Highly flexible.
- Excellent grip.

Suitable for: Assembly work and outdoor tasks in wet and/or cold weather.

Design Protected.

EN420:2003+A1:2009 | EN388:2016+A1:2018 1121X | EN 511:2006 110

Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	8 | 9 | 10 | 11 | 12
Material:	MicroSkin Shield® (Palm) Spandex®/Polyester (Back)
Lining:	Synthetic liner/ProTex® membrane (Fully lined)
Colour:	Black, Grey
Thickness:	
Length:	21-24 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**107.4297W**

NEW!

CUT-RESISTANT WINTER GLOVES

MicroSkin Shield® with ProTex® membrane, Velcro closure.

- Provide protection against cold and moisture.
- Cut-resistant layer in the palm.
- Waterproof ProTex® membrane with excellent breathability.
- Warm and soft lining.
- Highly flexible.
- Excellent grip.

Suitable for: Outdoor work involving risk of cut injuries and performed in cold and/or wet weather.

Design Protected.

EN420:2003+A1:2009 | EN388:2016+A1:2018 1X32D | EN 511:2006 110 | ANSI/ISEA 105 ANSI CUT A4

Standards:	EN 420, 388:2016, 511, ANSI/ISEA, UKCA
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11 | 12 | 13
Material:	MicroSkin Shield® (Palm) Spandex®/Polyester (Back)
Lining:	Synthetic liner, Para Aramid (Palm lined)
Colour:	Black, Grey
Thickness:	
Length:	21-24 cm
Weight:	
Packaging:	Pair (12/72)
Art:	**107.4997W**

ALL-ROUND WINTER GLOVES

MicroSkin Shield® material with ProTex® membrane, neoprene back.

- Provides protection against cold and moisture.
- Good grip and flexibility.
- Palm and thumb-base reinforcement.
- Sewn-in thermal, waterproof and breathable ProTex® membrane.
- Warm and soft fleece liner inside the glove.

Suitable for: Assembly work and other tasks in cold environments with high requirements to mobility, flexibility and grip.

EN ISO 21420:2020 | EN388:2016+A1:2018 2121X | EN 511:2006 120

Standards:	EN 21420, 388:2016, 511
Category:	CE Cat. II
Sizes:	8 | 9 | 10 | 11 | 12
Material:	MicroSkin Shield® (Palm) Neoprene (Back)
Lining:	Synthetic liner/ProTex® membrane (Fully lined)
Colour:	Black, Grey
Thickness:	
Length:	26-28 cm
Weight:	
Packaging:	Pair (6/60)
Art:	**107.7114**

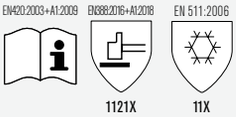
NEW!

ALL-ROUND WINTER GLOVES

MicroSkin Shield® material, Polyester/Spandex® back.

- Provides protection against cold.
- Good grip and flexibility.
- Palm and thumb-base reinforcement.
- Fully lined with warm and soft liner with additional breathable membrane on the palm.
- Bright colour on the back of the hand and reflective tape around the cuff for better visibility.
- Good breathability.

Suitable for: Assembly/fine work in cold conditions.



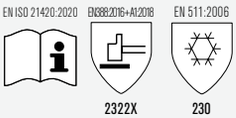
Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	MicroSkin Shield® (Palm) Polyester, Spandex® (Back)
Lining:	Synthetic liner (Fully lined)
Colour:	Black, Green
Thickness:	
Length:	
Weight:	
Packaging:	Pair (12/120)
Art:	**107.8110**

ALL-ROUND WINTER GLOVES

MicroSkin Shield® material with ProTex® membrane, Spandex® back.

- Flexibility and good grip.
- Provides protection against cold and moisture.
- Sewn-in thermal, waterproof and breathable ProTex® membrane.
- Warm and soft liner inside the gloves.
- Palm and thumb-base reinforcement.
- Reflectives around the cuff.

Suitable for: Assembly work and other tasks in cold environments with high requirements to mobility, flexibility and grip.



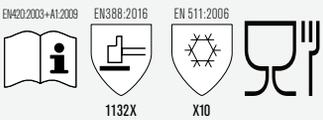
Standards:	EN 21420, 388:2016, 511
Category:	CE Cat. II
Sizes:	8 | 9 | 10 | 11 | 12
Material:	MicroSkin Shield® (Palm) Spandex® (Back)
Lining:	Synthetic liner/ProTex® membrane (Fully lined)
Colour:	Black
Thickness:	
Length:	26-29 cm
Weight:	
Packaging:	Pair (6/60)
Art:	**107.8112**

ASSEMBLY WINTER GLOVES

Double latex coating, acrylic liner.

- Comfortable and durable.
- Coated with a thin layer of blue waterproof latex coating.
- Black sandy latex foam overdip ensures excellent wet, dry and oily grip.
- Approved to be used in direct contact with all types of food, including fatty foods (EN 1186).
- Good dexterity and fit.
- Provides good thermal insulation.

Suitable for: Construction business | Heavy duty work | Assembly of components | Shipping | Oil and gas industry | Cold Storage | Food industries | Outdoor winter use.



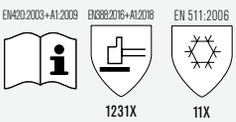
Standards:	EN 420, 388:2016, 511, 1186
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	Latex
Lining:	Acrylic flannel (Fully lined)
Colour:	Blue, Black
Thickness:	
Length:	24-29 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**108.8080**

KNITTED WINTER GLOVES

Latex foam coating.

- Flexible and comfortable.
- Good grip and long life-span.
- Provides good thermal insulation.

Suitable for: Building, handicraft and handling of goods in cold environments.



Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	9 | 10 | 11 | 12
Material:	Latex
Lining:	Acrylic flannel
Colour:	Blue, Grey
Thickness:	
Length:	25-29 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**108.8095**

ASSEMBLY WINTER GLOVES, OEKO-TEX® 100 APPROVED

Special vinyl/PVC foam coating.

- Durable.
- Outstanding dexterity and fit.
- Tested and approved for cold conditions.
- The vinyl/PVC coating technology is a patented process.
- Sanitized® treated to prevent bacteria growth and promote freshness.

Suitable for: Assembly work and jobs in wet, oily and cold conditions.

OEKO-TEX® CONFIDENCE IN TEXTILES STANDARD 100 2020OK0876 AITEX Tested for harmful substances. www.oeko-tex.com/standard100

EN420:2003+A1:2009 | EN388:2016 3231X | EN 511:2006 X2X

Black Diamond®	
Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11
Material:	Vinyl/PVC
Lining:	Acrylic flannel
Colour:	Black
Thickness:	
Length:	24-27 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**109.0400W**

VINYL/PVC CHEMICAL RESISTANT WINTER GLOVES

Removable acrylic flannel liner.

- Highly durable.
- Comfortable and flexible.
- Remains soft in temperatures as low as - 20°C.
- Resistant to petrol, diesel and many chemicals.
- Liner can be washed/dried separately.
- Sanitized® treated to prevent bacteria growth and promote freshness.

Suitable for: Fishermen | Cold storage work | Outdoor winter work.

EN ISO 21420:2020 | EN388:2016+A1:2018 4131X | N374-1:2016/TypeA AKLMNOPT | EN ISO 374-5:2016 | EN 511:2006 121

CHEMSTAR BY GRANBERG	
Standards:	EN 21420, 388:2016, 374:2016, 511
Category:	CE Cat. III
Sizes:	9 | 10
Material:	Vinyl/PVC
Lining:	Acrylic flannel
Colour:	Blue
Thickness:	3,75 ± 0,75 mm
Length:	31 cm
Weight:	
Packaging:	Pair (10/60)
Art:	**109.229**

KNITTED WINTER GLOVES

Thermolite® hollow-core fibre.

- Wicks perspiration away from your skin, while the inner layer remains warm and dry.
- Well fitted and soft.
- Great as a liner.
- Ambidextrous.
- High thermal insulation.

Suitable for: Refrigerated warehousing | Construction and regular outdoor utility work.

Thermolite® is a registered trademark of DuPont.

EN ISO 21420:2020

GranberG®	
Standards:	EN 21420
Category:	CE Cat. I
Sizes:	8,5 | 11
Material:	Thermolite®
Lining:	
Colour:	Blue
Thickness:	
Length:	23 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**110.0340**

KNITTED WINTER GLOVES

Acrylic'

- Provides good thermal insulation.
- Well fitted and soft.
- Great as a liner.
- Ambidextrous.
- Machine washable at 30°C.
- Approved to be used in direct contact with all types of food, including fatty foods (EN 1186).

Suitable for: Cold storage | Refrigerated warehousing | Regular outdoor utility work.

EN ISO 21420:2020

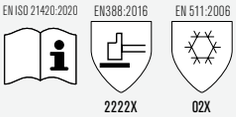
GranberG®	
Standards:	EN 21420, 1186
Category:	CE Cat. I
Sizes:	8 | 10
Material:	Acrylic
Lining:	
Colour:	Grey
Thickness:	
Length:	
Weight:	
Packaging:	Pair (12/240)
Art:	**110.0381**

ASSEMBLY WINTER GLOVES

Goatskin, fleece lined.

- Goatskin leather is soft, flexible and touch sensitive.
- Goatskin has higher strength-to-weight ratio than cow grain leather.
- Strong leather makes the gloves very durable.
- Fleece lined for warmth and additional comfort.

Suitable for: Assembly/fine work in cold conditions.



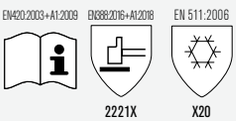
Standards:	EN 21420, 388:2016, 511
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	Goatskin (Palm) Cotton (Back)
Lining:	Cotton fleece (Fully lined)
Colour:	White, Grey
Thickness:	0,6-0,9 mm
Length:	23-27 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**113.1015**

ASSEMBLY WINTER GLOVES

Goatskin, winter lined.

- Comfortable and fitted.
- Soft and strong goat skin leather provides the gloves excellent dexterity and touch sensitivity.
- Goatskin has higher strength-to-weight ratio than cow grain leather.
- Polyester back and Velcro closure.

Suitable for: Light to medium-heavy work under cold conditions related to assembly, transport, maintenance, grinding, industry and warehouse operations.



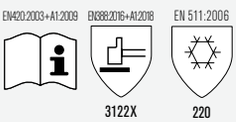
Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11
Material:	Goatskin (Palm) Polyester (Back)
Lining:	Synthetic liner (Fully lined)
Colour:	White, Grey
Thickness:	0,6-0,8 mm
Length:	22-25 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**113.1045**

WORK GLOVES FULLY THINSULATE™-LINED

Goatskin, ProTex® membrane, 3M Thinsulate™ liner.

- Leather glove features combined with advantages ProTex® wind- and waterproof, breathable membrane.
- The sewn-in ProTex® membrane keeps hands warm and dry when working.
- Warm and lightweight 3M Thinsulate™ C40 insulation provides very good protection against cold.
- Soft and durable goatskin in the palm and Spandex® on back of hand.
- Provides very good thermal insulation.

Suitable for: Construction | Heavy duty work |Shipping | Cold Storage | Outdoor winter use | Damp, windy, cold environments.



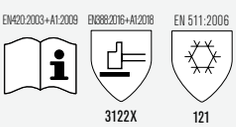
Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	Goatskin (Palm) Spandex® (Back)
Lining:	3M Thinsulate™/ProTex® membrane (Fully lined)
Colour:	White, Grey
Thickness:	0,85-0,95 mm
Length:	24-29 cm
Weight:	
Packaging:	Pair (6/72)
Art:	**113.1051**

WORK GLOVES, SEMI WINTER LINED

Goatskin, ProTex® membrane, polyester back, fleece liner.

- Leather glove features combined with the advantages of ProTex® wind- and waterproof, breathable membrane.
- Warm and soft fleece liner inside the glove.
- Soft and strong goatskin leather provides good flexibility for gripping and handling objects.
- Provides protection against moisture and good thermal insulation.

Suitable for: Cold storage | Assembly work in cold and/or wet conditions with high requirements to mobility, flexibility and grip.



Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	Goatskin (Palm) Polyester (Back)
Lining:	Synthetic liner/ProTex® membrane (Fully lined)
Colour:	White, Grey
Thickness:	
Length:	
Weight:	
Packaging:	Pair (6/72)
Art:	**113.1053**

NEW!

WARM ALPINE SKI GLOVES

Goatskin palm, oxford nylon back and cuff, detachable fleece winter lining, Velcro wrist fastening.

- Warm and soft fleece winter liner provides protection against cold.
- Extra long for those who enjoy powder skiing and want to keep warm and dry.
- Full goatskin palm provides durability and good grip in wet and dry conditions.
- Breathable oxford nylon fabric at the back of the hand and cuff provides water-resistance for activities in wet conditions.
- Elastic wrist with adjustable Velcro wrist fastener provides a secure but comfortable fit around the wrist.
- Draw-cord elastic at the end of the cuff.
- With elastic wrist loop.
- Durable but light carabiner hook makes it possible to attach two gloves together.

Suitable for: Outdoor work and activities performed in cold and/or wet weather.

EN ISO 21420:2020 | EN388:2016+A1:2018 | EN 511:2006

2221X | 33X

Standards:	EN 21420, 388:2016, 511
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	Goatskin (Palm), Nylon (Back)
Lining:	Polyester (Fully lined)
Colour:	White, Grey
Thickness:	0.6-0.8 mm (Leather)
Length:	33.5-38.0 cm
Weight:	
Packaging:	Pair (3/24)
Art:	**113.4270**

NEW!

WARM ALPINE SKI MITTENS

Goatskin palm, oxford nylon back and cuff, winter lining, 3M™ Thinsulate™ C100 Insulation, Velcro wrist fastening.

- Warm and soft winter liner with 3M™ Thinsulate™ C100 Insulation provides protection against cold.
- Extra long for those who enjoy powder skiing and want to keep warm and dry.
- Full goatskin palm provides durability and good grip in wet and dry conditions.
- Breathable oxford nylon fabric at the back of the hand and cuff provides water-resistance for activities in wet conditions.
- Elastic wrist with adjustable Velcro wrist fastener provides a secure but comfortable fit around the wrist.
- Draw-cord elastic at the end of the cuff.
- Durable but light carabiner hook makes it possible to attach two gloves together.

Suitable for: Outdoor work and activities performed in cold and/or wet weather.

EN ISO 21420:2020 | EN388:2016+A1:2018 | EN 511:2006

2212X | 11X

Standards:	EN 21420, 388:2016, 511
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	Goatskin (Palm), Nylon (Back)
Lining:	Polyester (Fully lined)
Colour:	White, Grey
Thickness:	0.6-0.8 mm (Leather)
Length:	34.0-38.0 cm
Weight:	
Packaging:	Pair (3/24)
Art:	**113.4280**

NEW!

CUT RESISTANT WARM INNER GLOVES

Typhoon®.

- Warm inner gloves.
- Highly recommended as a cut-resistant liner glove with single-use gloves and reusable gloves.
- Cut resistance barrier combined with finger sensitivity.
- Approved to be used in direct contact with all types of food, including fatty foods (EN 1186).
- Ambidextrous.

Suitable for: Cold environments | Use in meat industries, catering, fish processing industries, and other food industries where knives or other sharp objects are handled.

EN ISO 21420:2020 | EN388:2016

1X41D

Standards:	EN 21420, 388:2016, 1186
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11
Material:	Typhoon®
Lining:	
Colour:	Blue
Thickness:	
Length:	30-35 cm
Weight:	
Packaging:	Pair (6/72)
Art:	**116.504**

ASSEMBLY WINTER GLOVES

Special nitrile foam coating.

- Durable.
- Warm, fitted and very comfortable.
- Warm brushed acrylic on inside, strong nylon outer shell.

Suitable for: Refrigerated display counter and cold storage rooms | Outdoor assembly | Inspections | Handling small parts.

EN420:2003+A1:2009 | EN388:2016+A1:2018

4131X

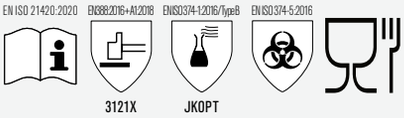
Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	8 | 9 | 10 | 11
Material:	Nitrile
Lining:	Brushed acrylic
Colour:	Blue, Black
Thickness:	
Length:	24-27 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**114.0488W**

NITRILE CHEMICAL RESISTANT WINTER GLOVES

Winter lined.

- Durable.
- Protection against cold and chemicals, diesel fuel, petrol and oil.
- Good anatomical fit applied for maximum comfort.
- 3-4 times longer life-span than equivalent vinyl/PVC gloves.
- Approved to be used in direct contact with all types of food, including fatty foods.

Suitable for: Direct contact with all types of foodstuffs | Fishing industry or work in wet and cold conditions.

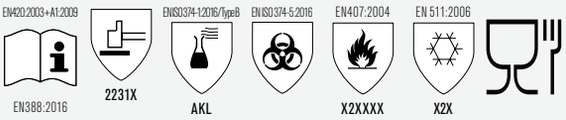


Standards:	EN 21420, 388:2016, 374:2016, 1186
Category:	CE Cat. III
Sizes:	7 | 8 | 9 | 10 | 11
Material:	Nitrile
Lining:	Synthetic liner
Colour:	Blue
Thickness:	Fleece + 0,8 mm
Length:	30 cm
Weight:	
Packaging:	Pair (5/60)
Art:	**114.0630W**

NEOPRENE CHEMICAL RESISTANT GLOVES

Pro-X® bonded warm acrylic liner.

- Durable and comfortable.
- Retains its softness and elasticity even in cold environment.
- High chemical resistance.
- Contact heat resistance up to 250°C for 15 seconds.
- Pro-X® bonded acrylic liner inside.
- Approved to be used in direct contact with all types of food, including fatty foods.



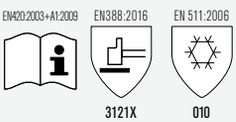
Standards:	EN 420, 388:2016, 374:2016, 407:2004, 511, 1186
Category:	CE Cat. III
Sizes:	8 | 9 | 10 | 11
Material:	Neoprene
Lining:	Acrylic flannel
Colour:	Black
Thickness:	0,65 mm
Length:	40 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**114.3000**

ASSEMBLY WINTER GLOVES

Nitrile microporous foam coating.

- Comfortable and durable.
- 3/4 coated with nitrile ultra-thin microporous foam.
- Coating ensures excellent wet, dry and oil grip.
- Provides good thermal insulation.
- Tight fitting increases the glove dexterity.

Suitable for: Construction business | Heavy duty work | Assembly of components | Shipping | Oil and gas industry | Cold Storage | Outdoor winter use.



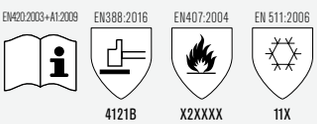
Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	Nitrile
Lining:	Brushed acrylic/Polyester (Fully lined)
Colour:	Black
Thickness:	
Length:	23-29 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**114.3030**

ASSEMBLY WINTER GLOVES

Full nitrile microfoam coating, fleece liner.

- High durability, dexterity and tactile sensitivity.
- Resistant to contact heat up to 250°C for 15 seconds.
- Provides good thermal insulation.
- Water and oil repellent.
- A great alternative to leather driver's gloves.
- Sanitized® treated to prevent bacteria growth and promote freshness.

Suitable for: Light and medium fabrication | General assembly | Automotive manufacturing | Motor mechanics when handling hot parts | Cold Storage | Outdoor winter use.



Standards:	EN 420, 388:2016, 407:2004, 511
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11
Material:	Nitrile
Lining:	Jersey fleece
Colour:	Blue
Thickness:	
Length:	23-26 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**114.4272W**

NEW!

reddot winner 2022

CUT, IMPACT, AND WATER-RESISTANT WINTER GLOVES

Goatskin palm, Spandex® back, TPR impact protection, waterproof ProTex® membrane, winter lining, velcro closure.

- High protection against cuts in palm and fingers, approved according to EN 388:2016 cut level D.
- Resistant to convective and contact cold in accordance with EN 511:2006 for protection against heat loss in cold environments and when handling cold objects.
- Powerful but soft and flexible TPR impact protection design on the back of the hand.
- Full goatskin palm provides durability and good grip in wet and dry conditions.
- Warm, soft fleece liner provides protection against cold.
- Waterproof and breathable ProTex® membrane provides water resistance for activities in wet conditions.
- Spandex® material on the back of the hand for good fitting, greater flexibility and breathability.
- Elastic wrist with adjustable Velcro closure provides a secure but comfortable fit around the wrist.

Suitable for: Outdoor work involving risk of cut and impact injuries and performed in cold and/or wet weather.

EN ISO 21420:2020 | EN388:2016+A1:2018 | EN 511:2006 | ANSI/ISEA 105 | ANSI/ISEA 138-2019

2X32DP | 120 | ANSI CUT A3 | 2

Design Protected.

BY GRANBERG	
Standards:	EN 21420, 388:2016, 511, ANSI/ISEA, UKCA
Category:	CE Cat. II
Sizes:	9 | 10 | 11
Material:	Goatskin (Palm) Polyester, Spandex® (Back)
Lining:	Cut-resistant liner: Aramid, Glass fiber, Polyester
Colour:	White, Black, Green, Yellow
Thickness:	0,7-0,9 mm (Leather)
Length:	20,5-27,5 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**115.3270W**

NEW!

reddot winner 2022

CUT, IMPACT, AND WATER-RESISTANT WINTER GLOVES

MicroSkin Shield® synthetic material with waterproof ProTex® membrane, Velcro closure.

- Provides protection against cold and moisture.
- Powerful but soft impact protection on back of hand.
- Cut-resistant layer in the palm.
- Waterproof ProTex® membrane with excellent breathability.
- Warm and soft lining.
- Highly flexible.
- Excellent grip.

Suitable for: Outdoor work involving risk of cut and impact injuries and performed in cold and/or wet weather.

EN ISO 21420:2020 | EN388:2016+A1:2018 | EN 511:2006 | ANSI/ISEA 105 | ANSI/ISEA 138-2019

1X32DP | 110 | ANSI CUT A4 | 2

Design Protected.

BY GRANBERG	
Standards:	EN 21420, 388:2016, 511, ANSI/ISEA, UKCA
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11 | 12 | 13
Material:	MicroSkin Shield® (Palm) Spandex®/Polyester (Back)
Lining:	Synthetic liner/ProTex® membrane, Para Aramid (Palm lined)
Colour:	Black, Grey, Green, Yellow
Thickness:	
Length:	21-24 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**115.4999W**

CUT RESISTANT WINTER GLOVES

Typhoon® fibre with sandy nitrile coating.

- Highly durable. Soft and flexible gloves with long life.
- Very comfortable and warm gloves with good grip.
- Brushed acrylic interior that provides warmth almost on par with wool.

Suitable for: Use in cold environments with a high risk of cuts.

EN420:2003+A1:2009 | EN388:2016+A1:2018 | EN 511:2006

4X42C | 01X

PROTECTOR BY GRANBERG	
Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	10 | 11 | 12
Material:	Nitrile
Lining:	Typhoon®/Brushed acrylic
Colour:	Blue, Black
Thickness:	
Length:	25-29 cm
Weight:	
Packaging:	Pair (12/48)
Art:	**116.580**

ASSEMBLY WINTER GLOVES

MacroSkin Pro® with elastic polyester back, winter lined.

- Comfortable and fitted.
- Ideal for work that requires precision and accuracy.
- Good breathability.
- Provides good thermal insulation.

Suitable for: Light and medium fabrication | General assembly | Automotive manufacturing | Motor mechanics | Cold Storage | Outdoor winter use | Gardening | Retail.

EN420:2003+A1:2009 | EN388:2016+A1:2018 | EN 511:2006

2121X | X2X

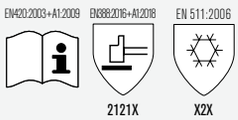
GranberG®	
Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	6 | 7 | 8
Material:	MacroSkin Pro® (Palm) Polyester (Back)
Lining:	Synthetic liner (Fully lined)
Colour:	Black, Grey, Pink
Thickness:	
Length:	21-23 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**120.4282**

ASSEMBLY WINTER GLOVES

MacroSkin Pro® with elastic polyester back with Velcro closure, winter lined.

- Comfortable and fitted.
- Ideal for work that requires precision and accuracy.
- Good breathability.
- Provides good thermal insulation.

Suitable for: Light and medium fabrication | General assembly | Automotive manufacturing | Motor mechanics | Cold Storage | Outdoor winter use | Gardening | Retail.



GranberG®

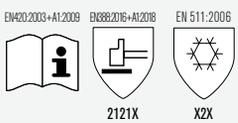
Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	6 | 7 | 8
Material:	MacroSkin Pro® (Palm) Polyester (Back)
Lining:	Synthetic liner (Fully lined)
Colour:	Black, Grey, Pink
Thickness:	
Length:	21-23 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**120.4284**

ASSEMBLY WINTER GLOVES

MacroSkin Pro® with elastic polyester back, winter lined.

- Comfortable and fitted.
- Ideal for work that requires precision and accuracy.
- Good breathability.
- Provides good thermal insulation.

Suitable for: Light and medium fabrication | General assembly | Automotive manufacturing | Motor mechanics | Cold Storage | Outdoor winter use.



EX® BY GRANBERG

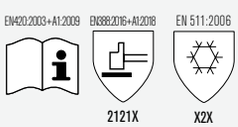
Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11
Material:	MacroSkin Pro® (Palm) Polyester (Back)
Lining:	Synthetic liner (Fully lined)
Colour:	Black, Grey, Green
Thickness:	
Length:	21-26 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**120.4292W**

ASSEMBLY WINTER GLOVES

MacroSkin Pro® with elastic polyester back with Velcro closure, winter lined.

- Comfortable and fitted.
- Ideal for work that requires precision and accuracy.
- Good breathability.
- Provides good thermal insulation.

Suitable for: Light and medium fabrication | General assembly | Automotive manufacturing | Motor mechanics | Cold Storage | Outdoor winter use.



EX® BY GRANBERG

Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11
Material:	MacroSkin Pro® (Palm) Polyester (Back)
Lining:	Synthetic liner (Fully lined)
Colour:	Black, Grey, Green
Thickness:	
Length:	21-26 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**120.4294W**

SINGLE-USE GLOVES

CONSIDER THIS WHEN USING SINGLE-USE GLOVES

- Make sure that the gloves are tested, labelled and intended for the application.
- Choose the right size.
- Change gloves regularly.
- Make sure your hands are dry before putting on single-use gloves.
- Keep your nails short.
- Avoid wearing rings on your fingers.
- Powder-free gloves reduce the risk of transporting bacteria.
- Use the right technique when you take off your gloves.

RELATED FACTS

SINGLE-USE GLOVE MATERIALS

Get to know the behaviour of T.E.P., vinyl, nitrile and latex gloves and the different effects of using gloves of the various materials.

TESTING AND APPROVALS

Understand the EN product standards. Learn more about permeation and penetration levels, bacteriological and chemical risks, food handling, etc.

SIMILAR, BUT REALLY DIFFERENT

Use the list below to compare the properties of the products.

				Glove Material								
Art.no	Length (cm)	Weight (g)	Colour	T.E.P.	PVC/Vinyl	Nitrile	Latex	Textured	Accellerator Free	Food Approved	Medical Approval	Chemical Resistant[2]
111.0090	30	1,2 ±0,05	Transparent							●		
111.0092	25	1,9 ±0,1	Transparent	●						●	●	
111.220	24	5,4 ±0,3	Transparent		●					●[1]	●	●
111.225	23	4,6 ±0,3	Transparent		●					●[1]		
111.325	25	5,4 ±0,3	Blue		●					●[1]	●	●
112.110	25	6,0 ±0,5	Off-white				●	●		●	●	
114.611	24	2,7 ±0,2	Dark Blue			●		●		●		
114.615	29,5	5,0 ±0,5	Indigo			●		●	●	●	●	●
114.616	25	3,2 ±0,5	Indigo			●		●	●	●	●	●
114.620	25	3,5 ±0,5	White			●		●		●	●	●
114.621	25	4,2 ±0,5	Indigo			●		●	●	●	●	●
114.622	24	3,5 ±0,5	Indigo			●		●		●	●	●
114.624	24	3.4 ± 0.5	Indigo			●		●		●		
114.626	24	3,2 ±0,5	Indigo			●		●		●	●	●
114.628	25	3,7 ±0,3	Black			●		●		●	●	●
114.630	24	3,0 ±0,5	Indigo			●		●		●	●	●
114.633	24	3,0 ±0,5	Black			●		●		●	●	●
114.770	24	5,8 ±0,2	Blue			●		●		●	●	●
114.880	24	5,8 ±0,2	Black			●		●		●	●	●
114.881	30	5,8 ±0,2	Black			●		●			●	●
114.940	27	7,2 ±0,5	Orange			●		●		●	●	●
114.980	28,5	8,8 ±0,5	Indigo			●		●		●	●	●

*[1] Must **not** be used in direct contact with fatty foods.*
[2] Use our web based chemical database to find the right glove model to protect against the chemical you are working with.

DISPOSABLE GLOVES

LDPE, embossed surface. Transparent.

- Approved for contact with all kinds of food including fatty foods (EN 1186).
- Easy to remove, ideal for using in environment where changing gloves frequently is necessary.
- Ambidextrous.

Suitable for: Food industries | Fast-food restaurants | Petrol station | HoReCa etc.

Not approved for medical use.

EN420:2003+A1:2009

GranberG®	
Standards:	EN 420, 1186
Category:	CE Cat. I
Sizes:	One Size
Material:	LDPE
Lining:	
Colour:	Transparent
Thickness:	0,018 - 0,02 mm
Length:	30 cm
Weight:	1,2 ± 0,05 g
Packaging:	Inner Pack (100/100)
Art:	**111.0090**

PHTHALATE FREE

SINGLE-USE GLOVES

Thermo Elastic Polymer (T.E.P.), powder-free. Clear colour.

- Silicone and phthalates-free.
- Good tactile sensation.
- Approved for contact with all kinds of food including fatty foods (EN 1186).
- Odourless.
- Reduced waste due to more than 60% reduced glove thickness compared to vinyl.
- Up to more than 400% more gloves per box compared to vinyl.

Suitable for: Horeca | Food and beverage industry etc. | Cleaning.

EN ISO 21420:2020 **AQL 1.5**

GranberG®	
Standards:	EN 21420, 1186
Category:	CE Cat. I
Sizes:	S | M | L | XL
Material:	Thermo Elastic Polymer
Lining:	
Colour:	Clear
Thickness:	0,036 ± 0,001 mm (Palm)
Length:	25 cm
Weight:	1,9 ± 0,1 g
Packaging:	Dispenser box (10/200)
Art:	**111.0092**

PHTHALATE FREE

SINGLE-USE GLOVES

Vinyl/PVC, powder-free. Clear colour.

- Comfortable.
- Does not provoke latex allergic reaction.
- Approved for medical use (EN 455).
- Does not contain phthalates.
- Silicone free.
- Approved for contact with all kinds of food except for fatty foods (EN 1186).

May not be used in direct contact with fatty foods.
If working with fatty foods use Granberg® nitrile disposable gloves.

EN ISO 21420:2020 EN ISO 374-1:2016/Type B KPT EN ISO 374-5:2016 **MD** **AQL 1.5**

GranberG®	
Standards:	EN 21420, 374:2016, 455, 1186
Category:	CE Cat. III
Sizes:	XS | S | M | L | XL
Material:	Vinyl/PVC
Lining:	
Colour:	Clear
Thickness:	0,07 mm (Palm)
Length:	24 cm
Weight:	5,0 ± 0,3 g
Packaging:	Dispenser box (10/100)
Art:	**111.220**

SINGLE-USE GLOVES ULTRASOFT

Vinyl/PVC, powder-free. Clear colour.

- Comfortable.
- Does not provoke latex allergic reaction.
- Silicone free.
- Approved for contact with all kinds of food except for fatty foods (EN 1186).

May not be used in direct contact with fatty foods.
If working with fatty foods use Granberg® nitrile disposable gloves.

Not approved for medical use.

EN ISO 21420:2020

GranberG®	
Standards:	EN 21420, 1186
Category:	CE Cat. I
Sizes:	S | M | L | XL
Material:	Vinyl/PVC
Lining:	
Colour:	Clear
Thickness:	0,08 mm (Palm)
Length:	23 cm
Weight:	4,6 ± 0,3 g
Packaging:	Dispenser box (10/100)
Art:	**111.225**

SINGLE-USE GLOVES

Vinyl/PVC, powder-free. Blue colour.

- Comfortable.
- Does not provoke latex allergic reaction.
- Approved for medical use (EN 455).
- Silicone free.
- Approved for contact with all kinds of food except for fatty foods (EN 1186).

May not be used in direct contact with fatty foods.
If working with fatty foods use Granberg® nitrile disposable gloves.

EN ISO 21420:2020 | EN ISO 374-1:2016/Type B | EN ISO 374-5:2016 | MD | AQL 1.5
KPT

Standards:	EN 21420, 374:2016, 455, 1186
Category:	CE Cat. III
Sizes:	S | M | L | XL
Material:	Vinyl/PVC
Lining:	
Colour:	Blue
Thickness:	Min 0,07 mm (Palm)
Length:	25 cm
Weight:	5,3 ± 0,3 g
Packaging:	Dispenser box (10/100)
Art:	**111.325**

SINGLE-USE GLOVES

Latex, powder-free. Off-white colour.

- Micro textured for improved grip.
- Resistant to grease, fats, detergents, etc.
- Approved to be used in direct contact with all types of food, including fatty foods (EN 1186).
- Approved for medical use (EN 455).

Suitable for: Direct contact with all types of foodstuffs | Medical use.

EN ISO 21420:2020 | EN ISO 374-1:2016/Type C | EN ISO 374-5:2016 | MD | AQL 1.5
VIRUS

Standards:	EN 21420, 374:2016, 455, 1186
Category:	CE Cat. III
Sizes:	S | M | L | XL
Material:	Latex
Lining:	
Colour:	Off-white
Thickness:	Min 0,10 mm (Palm)
Length:	25 cm
Weight:	6,0 ± 0,5 g
Packaging:	Dispenser box (10/100)
Art:	**112.110**

NEW!

SINGLE-USE GLOVES

Soft Nitrile™, powder free. Dark blue colour.

- Soft and strong nitrile.
- Lightweight and elastic.
- Enhanced finger sensitivity and dexterity.
- Great alternative to vinyl single use gloves.
- Micro textured fingertips for optimum grip.
- Approved to be used in direct contact with all types of food, including fatty foods (EN 1186).
- Economy pack, 200 gloves per dispenser.

Suitable for: Direct contact with all types of foodstuffs.

Not approved for medical use.
XL: 180 pcs. per dispenser box, 10 dispenser boxes per carton.

EN420:2003+A1:2009 | EN ISO 374-1:2016/Type C | EN ISO 374-5:2016 | AQL 1.5
VIRUS

Standards:	EN 420, 374.2016, 1186
Category:	CE Cat. III
Sizes:	S | M | L | XL
Material:	Nitrile
Lining:	
Colour:	Dark blue
Thickness:	Min 0,05 mm (Palm)
Length:	24 cm
Weight:	2,7 ± 0,2 g
Packaging:	Dispenser box (10/200)
Art:	**114.611**

ACCELERATOR FREE

SINGLE-USE GLOVES

Soft Nitrile™, powder-free. Accelerators free. Indigo colour. 29,5 cm length.

- Soft and strong nitrile.
- Thinner than similar gloves, with nearly the same elasticity and touch sensitivity as latex.
- 100% without chemical accelerators.
- Micro textured fingertips for optimum grip.
- Resistant to grease, fats, detergents, etc.
- Approved for medical use (EN 455).
- Approved to be used in direct contact with all types of food, including fatty foods (EN 1186).
- Tested according to ASTM D6978-05 - Resistance of Medical Gloves to Permeation by Chemotherapy Drugs.
- Silicone free.

Suitable for: Direct contact with all types of foodstuffs | Medical use.
Recommended by the Norwegian Asthma and Allergy Association.

EN ISO 21420:2020 | EN ISO 374-1:2016/Type B | EN ISO 374-5:2016 | MD | AQL 1.0
KTP | VIRUS

Standards:	EN 21420, 374:2016, 455, 1186
Category:	CE Cat. III
Sizes:	XS | S | M | L | XL
Material:	Nitrile
Lining:	
Colour:	Indigo Blue
Thickness:	Min 0,06 mm (Palm)
Length:	29,5 cm
Weight:	5,0 ± 0,5 g
Packaging:	Dispenser box (10/100)
Art:	**114.615**

RECOMMENDED BY
THE NORWEGIAN ASTHMA AND ALLERGY ASSOCIATION

SINGLE-USE GLOVES

Soft Nitrile™, powder-free. Accelerators free. Indigo colour.

- Soft and strong nitrile.
- The thinnest glove in Granberg's Accelerators Free gloves range.
- 100% without chemical accelerators.
- Micro textured fingertips for optimum grip.
- Resistant to grease, fats, detergents, etc.
- Approved for medical use (EN 455).
- Approved to be used in direct contact with all types of food, including fatty foods (EN 1186).
- Tested according to ASTM D6978-05 - Resistance of Medical Gloves to Permeation by Chemotherapy Drugs.

Suitable for: Direct contact with all types of foodstuffs | Medical use.

EN ISO 21420:2020 EN ISO 374-1:2016/Type B EN ISO 374-5:2016

KTP VIRUS MD **AQL 1.5**

MAGIC TOUCH® BY GRANBERG	
Standards:	EN 21420, 374:2016, 455, 1186
Category:	CE Cat. III
Sizes:	XS | S | M | L | XL
Material:	Nitrile
Lining:	
Colour:	Indigo Blue
Thickness:	Min 0,05 mm (Palm)
Length:	25 cm
Weight:	3,2 ± 0,5 g
Packaging:	Dispenser box (10/100)
Art:	**114.616**

SINGLE-USE GLOVES

Soft Nitrile™, powder-free. White colour.

- Soft and strong nitrile.
- Thinner than similar gloves, with nearly the same elasticity and touch sensitivity as latex.
- Micro textured fingertips for optimum grip.
- Resistant to grease, fats, detergents, etc.
- Approved for medical use (EN 455).
- Tested according to ASTM D6978-05 - Resistance of Medical Gloves to Permeation by Chemotherapy Drugs.
- Approved to be used in direct contact with all types of food, including fatty foods (EN 1186).

Suitable for: Direct contact with all types of foodstuffs | Medical use.

EN ISO 21420:2020 EN ISO 374-1:2016/Type B EN ISO 374-5:2016

KPT VIRUS MD **AQL 1.5**

MAGIC TOUCH® BY GRANBERG	
Standards:	EN 21420, 374:2016, 455, 1186
Category:	CE Cat. III
Sizes:	S | M | L | XL
Material:	Nitrile
Lining:	
Colour:	White
Thickness:	Min 0,06 mm (Palm)
Length:	25 cm
Weight:	3,5 ± 0,5 g
Packaging:	Dispenser box (10/100)
Art:	**114.620**

RECOMMENDED BY THE NORWEGIAN ASTHMA AND ALLERGY ASSOCIATION

SINGLE-USE GLOVES

Soft Nitrile™, powder-free. Accelerators free. Indigo colour.

- Soft and strong nitrile.
- Thinner than similar gloves, with nearly the same elasticity and touch sensitivity as latex.
- 100% without chemical accelerators.
- Micro textured fingertips for optimum grip.
- Resistant to grease, fats, detergents, etc.
- Approved for medical use (EN 455).
- Approved to be used in direct contact with all types of food, including fatty foods (EN 1186).
- Tested according to ASTM D6978-05 - Resistance of Medical Gloves to Permeation by Chemotherapy Drugs.
- Silicone free.

Suitable for: Direct contact with all types of foodstuffs | Medical use.

Recommended by the Norwegian Asthma and Allergy Association.

EN ISO 21420:2020 EN ISO 374-1:2016/Type B EN ISO 374-5:2016

KTP VIRUS MD **AQL 1.5**

MAGIC TOUCH® BY GRANBERG	
Standards:	EN 21420, 374:2016, 455, 1186
Category:	CE Cat. III
Sizes:	XS | S | M | L | XL
Material:	Nitrile
Lining:	
Colour:	Indigo Blue
Thickness:	Min 0,06 mm (Palm)
Length:	25 cm
Weight:	4,2 ± 0,5 g
Packaging:	Dispenser box (10/100)
Art:	**114.621**

SINGLE-USE GLOVES

Soft Nitrile™, powder-free. Indigo colour.

- Soft and strong nitrile.
- Thinner than similar gloves, with nearly the same elasticity and touch sensitivity as latex.
- Micro textured fingertips for optimum grip.
- Resistant to grease, fats, detergents, etc.
- Approved for medical use (EN 455).
- Tested according to ASTM D6978-05 - Resistance of Medical Gloves to Permeation by Chemotherapy Drugs.
- Approved to be used in direct contact with all types of food, including fatty foods (EN 1186).

Suitable for: Direct contact with all types of foodstuffs | Medical use.

EN ISO 21420:2020 EN ISO 374-1:2016/Type B EN ISO 374-5:2016

KPT VIRUS MD **AQL 1.5**

MAGIC TOUCH® BY GRANBERG	
Standards:	EN 21420, 374:2016, 455, 1186
Category:	CE Cat. III
Sizes:	S | M | L | XL
Material:	Nitrile
Lining:	
Colour:	Indigo
Thickness:	Min 0,05 mm (Palm)
Length:	24 cm
Weight:	3,5 ± 0,5 g
Packaging:	Dispenser box (10/100)
Art:	**114.622**

SINGLE-USE GLOVES MAGIC TOUCH®

Soft Nitrile™, powder-free. Indigo colour

- Soft and strong nitrile.
- Thinner than similar gloves, with nearly the same elasticity and touch sensitivity as latex.
- Micro textured fingertips for optimum grip.
- Resistant to grease, fats, detergents, etc.
- Approved to be used in direct contact with all types of food, including fatty foods (EN 1186).
- Economy pack, 200 gloves per dispenser.

Suitable for: Direct contact with all types of foodstuffs.

EN ISO 21420:2020

Standards:	EN 21420, 1186
Category:	CE Cat. I
Sizes:	S | M | L | XL
Material:	Nitrile
Lining:	
Colour:	Indigo
Thickness:	Min 0,05 mm (Palm)
Length:	24 cm
Weight:	3,4 ± 0,5 g
Packaging:	Dispenser box (10/200)
Art:	**114.624**

SINGLE-USE GLOVES

Soft Nitrile™, powder free. Indigo colour.

- Soft and strong nitrile.
- Thinner than similar gloves, nearly same elasticity and touch sensitivity as latex.
- Micro textured fingertips for optimum grip.
- Resistant to grease, fats, detergents, etc.
- Approved to be used in direct contact with all types of food, including fatty foods (EN 1186).
- Approved for medical use (EN 455).
- Tested according to ASTM D6978-05 - Resistance of Medical Gloves to Permeation by Chemotherapy Drugs.
- Economy pack, 300 gloves per dispenser.

Suitable for: Direct contact with all types of foodstuffs | Medical use.

XL: 250 pcs. per dispenser box, 10 dispenser boxes per carton.

EN ISO 21420:2020 · EN ISO 374-1:2016/Type B · EN ISO 374-5:2016 · MD · AQL 1.5

KPT · VIRUS

Standards:	EN 21420, 374:2016, 455, 1186
Category:	CE Cat. III
Sizes:	S | M | L | XL
Material:	Nitrile
Lining:	
Colour:	Indigo
Thickness:	Min 0,05 mm (Palm)
Length:	24 cm
Weight:	3,2 ± 0,5 g
Packaging:	Dispenser box (10/300)
Art:	**114.626**

SINGLE-USE GLOVES

Soft Nitrile™, powder-free. Black colour.

- Soft and strong nitrile.
- Thinner than similar gloves, with nearly the same elasticity and touch sensitivity as latex.
- Micro-textured fingertips for optimum grip.
- Black colour especially suited for tattoo studios, police, funeral parlours and security firms.
- Approved to be used in direct contact with all types of food, including fatty foods (EN 1186).
- Approved for medical use (EN 455).

Suitable for: Assembly in the electronics industry | Handling of photographic film | Optics and laboratories | Tattoo studios | Police | Funeral parlours | Security firms.

EN420:2003+A1:2009 · EN ISO 374-1:2016/Type B · EN ISO 374-5:2016 · MD · AQL 1.5

KPT · VIRUS

Standards:	EN 420, 374:2016, 455, 1186
Category:	CE Cat. III
Sizes:	S | M | L | XL
Material:	Nitrile
Lining:	
Colour:	Black
Thickness:	Min 0,06 mm (Palm)
Length:	25 cm
Weight:	3,5 ± 0,3 g
Packaging:	Dispenser box (10/100)
Art:	**114.628**

SINGLE-USE GLOVES

Soft Nitrile™, powder-free. Indigo colour.

- Soft and strong nitrile.
- Thinner than similar gloves, with nearly the same elasticity and touch sensitivity as latex.
- Micro textured fingertips for optimum grip.
- Approved for medical use (EN 455).
- Tested according to ASTM D6978-05 - Resistance of Medical Gloves to Permeation by Chemotherapy Drugs.
- Approved to be used in direct contact with all types of food, including fatty foods (EN 1186).

Suitable for: Direct contact with all types of foodstuffs.

XL: 180 pcs. per dispenser box, 10 dispenser boxes per carton.

EN420:2003+A1:2009 · EN ISO 374-1:2016/Type C · EN ISO 374-5:2016 · MD · AQL 1.5

VIRUS

Standards:	EN 420, 374:2016, 455, 1186
Category:	CE Cat. III
Sizes:	S | M | L | XL
Material:	Nitrile
Lining:	
Colour:	Indigo
Thickness:	Min 0,05 mm (Palm)
Length:	24 cm
Weight:	3,0 ± 0,5 g
Packaging:	Dispenser box (10/200)
Art:	**114.630**

NEW!

SINGLE-USE GLOVES

Soft Nitrile™, powder-free. Black colour.

- Soft and strong nitrile.
- Thinner than similar gloves, with nearly the same elasticity and touch sensitivity as latex.
- Micro textured fingertips for optimum grip.
- Approved for medical use (EN 455).
- Tested according to ASTM D6978 - Resistance of Medical Gloves to Permeation by Chemotherapy Drugs.
- Approved to be used in direct contact with all types of food, including fatty foods (EN 1186).

Suitable for: Direct contact with all types of foodstuffs.

XL: 180 pcs. per dispenser box, 10 dispenser boxes per carton.

EN420:2003+A1:2009 | EN ISO 374-1:2016/Type C | EN ISO 374-5:2016 (VIRUS) | MD | AQL 1.5

MAGIC TOUCH® BY GRANBERG

Standards:	EN 420, 374:2016, 455, 1186
Category:	CE Cat. III
Sizes:	S | M | L | XL
Material:	Nitrile
Lining:	
Colour:	Black
Thickness:	Min 0,05 mm (Palm)
Length:	24 cm
Weight:	3,0 ± 0,5 g
Packaging:	Dispenser box (10/200)
Art:	**114.633**

SINGLE-USE GLOVES

Nitrile, powder-free. Blue colour.

- Micro-textured for optimum grip.
- Tested and approved for various chemicals.
- Resistant to grease, fats, detergents, etc.
- Approved to be used in direct contact with all types of food, including fatty foods (EN 1186).
- Protection against pesticides according to ISO 18889:2019, Level G1 (for contact with diluted pesticides).

Suitable for: Direct contact with all types of foodstuffs.

EN ISO 21420:2020 | EN ISO 374-1:2016/Type B (KPT) | EN ISO 374-5:2016 (VIRUS) | ISO 18889:2019 G1 | AQL 1.5

GranberG®

Standards:	EN 21420, 374:2016, 1186, 18889
Category:	CE Cat. III
Sizes:	S | M | L | XL | XXL
Material:	Nitrile
Lining:	
Colour:	Blue
Thickness:	0,12 ± 0,02 mm (Palm)
Length:	24 cm
Weight:	5,8 ± 0,2 g
Packaging:	Dispenser box (10/100)
Art:	**114.770**

SINGLE-USE GLOVES

Nitrile, powder-free. Black colour.

- High strength and elasticity.
- Black colour especially suited for tattoo studios, police, funeral parlours and security firms.
- Tested and approved for various chemicals.
- Micro textured for optimum grip.
- Approved to be used in direct contact with all types of food, including fatty foods (EN 1186).
- Protection against pesticides according to ISO 18889:2019, Level G1 (for contact with diluted pesticides).

Suitable for: Assembly in the electronics industry | Handling of photographic film Optics and laboratories | Tattoo studios | Police | Funeral parlours and security firms.

EN ISO 21420:2020 | EN ISO 374-1:2016/Type B (KPT) | EN ISO 374-5:2016 (VIRUS) | ISO 18889:2019 G1 | AQL 1.5

GranberG®

Standards:	EN 21420, 374:2016, 1186, 18889
Category:	CE Cat. III
Sizes:	S | M | L | XL | XXL
Material:	Nitrile
Lining:	
Colour:	Black
Thickness:	0,12 ± 0,02 mm (Palm)
Length:	24 cm
Weight:	5,8 ± 0,2 g
Packaging:	Dispenser box (10/100)
Art:	**114.880**

ESD SINGLE-USE GLOVES

Nitrile, powder-free. Black colour.

- Electrostatic Dissipative properties.
- High strength and elasticity.
- Black colour especially suited for tattoo studios, funeral parlours, police and security firms.
- Tested and approved for various chemicals.
- Micro textured fingertips for optimum grip.

Suitable for: Assembly in the electronics industry | Automotive industry | Handling of photographic film | Optics | Laboratories | Tattoo studios | Police and security firms.

Vertical Resistance in accordance with EN 16350:2014
Voltage Resistance (ohms) 14.5×10^6

EN420:2003+A1:2009 | EN ISO 374-1:2016/Type B (JKPT) | EN ISO 374-5:2016 | AQL 1.5

GranberG®

Standards:	EN 420, 374:2016, 16350
Category:	CE Cat. III
Sizes:	S | M | L | XL | XXL
Material:	Nitrile
Lining:	
Colour:	Black
Thickness:	0,15 ± 0,02 mm
Length:	30 cm
Weight:	9,1 ± 0,4 g
Packaging:	Dispenser box (10/100)
Art:	**114.881**

SINGLE-USE CHEMICAL RESISTANT GLOVES

Nitrile, powder free. Orange colour. 27 cm length.

- Tested and approved for various chemicals.
- Micro textured for optimum grip.
- Resistant to grease, fats, detergents, etc.
- Approved to be used in direct contact with all types of food, including fatty foods (EN 1186).
- Approved for medical use (EN 455).
- Tested according to ASTM D6978-05 - Resistance of Medical Gloves to Permeation by Chemotherapy Drugs.

Suitable for: Laboratories | Chemical industry | Automotive industry | Mechanical workshops | Light assembly | Food industry.

EN ISO 21420:2020 EN ISO 374-1:2016/Type B EN ISO 374-5:2016

KPT VIRUS MD AQL 0.65

CHEMSTAR BY GRANBERG

Standards:	EN 21420, 374:2016, 455, 1186
Category:	CE Cat. III
Sizes:	S | M | L | XL | XXL
Material:	Nitrile
Lining:	
Colour:	Orange
Thickness:	Min 0,11 mm (Palm)
Length:	27 cm
Weight:	7,2 ± 0,5 g
Packaging:	Dispenser box (10/100)
Art:	**114.940**

SINGLE-USE CHEMICAL RESISTANT GLOVES

Nitrile, powder free. Indigo colour. 28.5 cm length.

- Tested and approved for various chemicals.
- Micro textured for optimum grip.
- Resistant to grease, fats, detergents, etc.
- Tear-resistant beaded cuff for added protection from potential chemical spills and drips.
- Approved to be used in direct contact with all types of food, including fatty foods (EN 1186).
- Approved for medical use (EN 455).

Suitable for: Laboratories | Chemical industry | Automotive industry | Mechanical workshops | Light assembly | Food industry.

EN ISO 21420:2020 EN ISO 374-1:2016/Type B EN ISO 374-5:2016

KPT VIRUS MD AQL 1.5

CHEMSTAR BY GRANBERG

Standards:	EN 21420, 374:2016, 455, 1186
Category:	CE Cat. III
Sizes:	S | M | L | XL | XXL
Material:	Nitrile
Lining:	
Colour:	Indigo
Thickness:	0,11 mm (Palm)
Length:	28,5 cm
Weight:	8,8 ± 0,5 g
Packaging:	Dispenser box (10/50)
Art:	**114.980**

REMOVE YOUR SINGLE-USE GLOVES SAFELY AND HYGENIC

Grab the outside of glove **A** by the wrist, slightly below the opening.

Avoid touching bare skin with the glove fingers or let bare skin get in contact with the outside of the glove.

Pull the glove towards the hand.

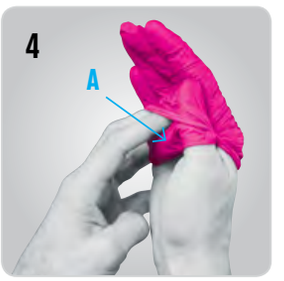
Pull glove **A** towards and over the fingers so that you turn it inside out.

Pull the glove inside out until it clears the hand.

Hold glove **A** in the palm of the other hand.

Slip a few fingers from the other hand under the rim of glove **B** by the wrist.

Avoid touching the outside of the glove with bare fingers or let the outside of the glove get in contact with bare skin.



With the bare fingers still on the inside of glove **B**, "peal" it of the hand by turning it inside out with the fingers so that it covers glove **A**.

Make sure that glove **B** capsulates glove **A** completely so that only the inside of glove **B** is visible.

Pull glove **B** with the inside out completely of the hand.

Dispose of the gloves in a proper manner.

SINGLE-USE GLOVES AND EN 455

Gloves to be used in the medical sector are subject to rules on appearance and properties regulations.

Additionally, the gloves must conform to certain requirements which are put in place to reduce the risk of eczema and allergy from the use of such gloves. The packaging must also include shelf life date.

These regulations are specified in four standards:

- EN 455-1: Requirements and testing for freedom from holes.
- EN 455-2: Requirements and testing for physical properties.
- EN 455-3: Requirements and testing for biological evaluation.
- EN 455-4: Requirements and testing for shelf life determination.

Medical gloves for single use go through a thoroughly specified quality control:

- They must for instance be free from holes, and this is tested in accordance with internationally accepted methods for testing.

  (AQL 1.5). AQL = Acceptable Quality Level).
- They must have a certain tensile strength and conform to certain norms for size, length, etc.

Dispenser boxes for single-use gloves marked with CE, EN 455 is produced and approved in accordance with the EN 455 standard.

LIQUID PROOF GLOVES

EMBRACING THE NORWEGIAN FISHING EXPERTISE TO DEVELOP A COMPLETE GLOVE RANGE

The oil, gas and fishing industries are the largest export sectors in Norway. They consist of many different branches and comprise a great variety of technology, production and work methods. In addition to this, Norway furnishes us with a wide variety of weather conditions and natural environments.

All of this has provided us with the best possible conditions for the testing and optimizing of our liquid proof gloves.

One of the main challenges you face when working in wet conditions is finding the right gloves with sufficiently good grip to make sure you can keep on working without dropping objects or battling slippage.

The perception of the gloves is different for every user. Make sure you try them out in order to get the best possible grip for whatever task you are about to perform.

SIMILAR, BUT REALLY DIFFERENT

Use the list below to compare the properties of the products.

			Grip				Glove Material			
Art.no	Chemical Resistant	Food Approved	Dry	Wet	Oije	Length (cm)	PVC/Vinyl	Nitrile	Latex	More
109.8400			●	●	●	41	●			Long cuff
111.0300	●		●	●		30	●			Phthalate free
112.0122	●	●	●	●		30			●	
112.0400	●	●	●	●		30			●	
112.0700	●	●	●	●		30			●	
112.0930			●	●		31			●	
112.0935			●	●		30-35			●	Food approved
114.0660	●	●	●	●	●	68		●		Long cuff
114.0660W	●	●	●	●	●	68		●		Long cuff
114.6000	●		●	●	●	35		●		

FISHERMEN'S GLOVES

Vinyl/PVC with granulation, interlock liner.

- Highly durable.
- For handling slippery objects.
- Heavy granulation provides good grip.
- Interlock liner.
- Sanitized® treated to prevent bacteria growth and promote freshness.

Suitable for: Handling slippery objects and for general work in wet environments.

EN ISO 21420:2020 EN388:2016

4121X

GranberG®	
Standards:	EN 21420, 388:2016
Category:	CE Cat. II
Sizes:	9 | 10 | 11 | 12
Material:	Vinyl/PVC
Lining:	Interlock
Colour:	Blue, Black
Thickness:	
Length:	41 cm
Weight:	
Packaging:	Pair (12/72)
Art:	**109.8400**

PHTHALATE FREE

VINYL/PVC CHEMICAL RESISTANT GLOVES

Anti-allergic, cotton flock lined.

- Comfortable and soft.
- Resistant to many chemicals including bleach.
- Anti-allergy tested. Contains no known allergens.
- Phthalates-free.

Suitable for: Professional cleaning | Catering etc.

EN420:2003+A1:2009 EN388:2016 EN ISO 374-1:2016/Type B EN ISO 374-5:2016

2000X KLMPT

CHEMSTAR BY GRANBERG	
Standards:	EN 420, 388:2016, 374:2016
Category:	CE Cat. III
Sizes:	7 | 8 | 9 | 10
Material:	Vinyl/PVC
Lining:	Flocklined
Colour:	Blue
Thickness:	0,4 mm
Length:	30 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**111.0300**

LATEX CHEMICAL RESISTANT GLOVES

Cotton flock lined.

- Tear-resistant beaded cuff for easy donning.
- Anti-slip pattern for good grip in wet and dry conditions.
- Pure cotton flock liner to absorb perspiration.

Suitable for: Handling meat and fatty foodstuffs | Pharmaceutical industry | Cleaning | Light assembly | Laboratories.

EN ISO 21420:2020 EN388:2016+A1:2018 EN ISO 374-1:2016/Type B EN ISO 374-5:2016

1010X KLMPST

CHEMSTAR BY GRANBERG	
Standards:	EN 21420, 388:2016, 374:2016, 1186
Category:	CE Cat. III
Sizes:	XS | S | M | L | XL
Material:	Latex
Lining:	Flocklined
Colour:	Blue
Thickness:	0,38 mm
Length:	30 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**112.0122**

LATEX HOUSEHOLD GLOVES

Cotton flock lined.

- Tear-resistant beaded cuff for easy donning.
- Anti-slip pattern for good grip in wet and dry conditions.
- Pure cotton flock liner to absorb perspiration.

Suitable for: Handling meat and fatty foodstuffs | Pharmaceutical industry | Cleaning | Light assembly.

EN ISO 21420:2020 EN388:2016+A1:2018 EN ISO 374-1:2016/Type B EN ISO 374-5:2016

1010X KLMPST

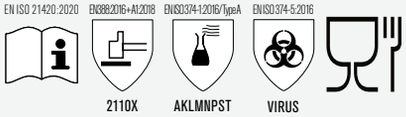
GranberG®	
Standards:	EN 21420, 388:2016, 374:2016, 1186
Category:	CE Cat. III
Sizes:	XS | S | M | L | XL
Material:	Latex
Lining:	Flocklined
Colour:	Yellow
Thickness:	0,38 mm
Length:	30 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**112.0400**

LATEX CHEMICAL RESISTANT GLOVES

Unsupported, cotton flock lined.

- Additional neoprene layer in the palm area increases chemical resistance.
- Reliable chemical Type A protection.
- Anti-slip pattern for good grip in wet and dry conditions.
- Flexible and soft.

Suitable for: Industrial Cleaning | Petrochemical industry | Aerospace and automobile industry | Printing industry | Food industry.



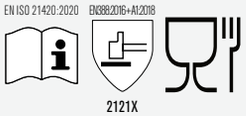
CHEMSTAR BY GRANBERG	
Standards:	EN 21420, 388:2016, 374:2016, 1186
Category:	CE Cat. III
Sizes:	8 | 9 | 10
Material:	Latex/Neoprene
Lining:	Flocklined
Colour:	Blue, Yellow
Thickness:	0,7 mm
Length:	30 cm
Weight:	
Packaging:	Pair (12/72)
Art:	**112.0700**

WATERPROOF GLOVES MADE FROM NATURAL RUBBER

Latex, unlined.

- Soft, flexible latex material gives great dexterity and reduce hand fatigue.
- Wrinkled anti-slip pattern provides excellent grip for handling slippery items.
- Rolled edge for easy donning and doffing.
- Approved for use in direct contact with specific types of food (EN 1186).

Suitable for: Working with wet objects | Handling specific food types | Cleaning.



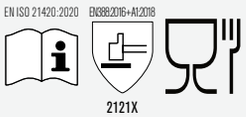
GranberG	
Standards:	EN 21420, 388:2016, 1186
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	Latex
Lining:	Unlined
Colour:	Red
Thickness:	0,4 ± 0,02 mm (cuff)
Length:	
Weight:	
Packaging:	Pair (12/120)
Art:	**112.0930**

WATERPROOF GLOVES MADE FROM NATURAL RUBBER

Latex, unlined

- Soft, flexible latex material gives great dexterity and reduce hand fatigue.
- Wrinkled anti-slip pattern provides excellent grip for handling slippery items.
- Rolled edge for easy donning and doffing.
- Approved for use in direct contact with specific types of food (EN 1186).

Suitable for: Working with wet object | Handling specific food types | Cleaning.



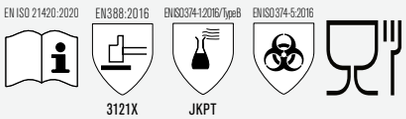
GranberG	
Standards:	EN 21420 , 388:2016, 1186
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	Latex
Lining:	Unlined
Colour:	Blue
Thickness:	0,4 ± 0,02 mm (Cuff)
Length:	
Weight:	
Packaging:	(12/120)
Art:	**112.0935**

NITRILE CHEMICAL RESISTANT GLOVES

With long, welded nitrile cuff.

- Protects against fluid, chemicals, petrol and oil.
- Anatomic fit for optimum comfort.
- High resistance against abrasion gives durable gloves.
- Approved to be used in direct contact with all types of food, including fatty foods (EN 1186).
- The long cuff extends the gloves' application area.

Suitable for: Medium to heavy duty work in wet environments and chemical processing, fishing industry, oil industry, industrial cleaning.



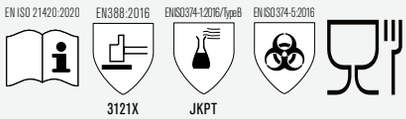
GranberG	
Standards:	EN 21420, 388:2016, 374:2016, 1186
Category:	CE Cat. III
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	Nitrile
Lining:	Interlock
Colour:	Blue
Thickness:	0,8 mm
Length:	68 cm
Weight:	
Packaging:	Pair (6/72)
Art:	**114.0660**

NITRILE CHEMICAL RESISTANT WINTER GLOVES

With long, welded nitrile cuff, winter lined.

- Durable winter gloves that withstand the toughest conditions.
- Resistant to fish fat, particularly salmon fat.
- Anatomic fit for optimum comfort.
- The long cuff extends the gloves' application area.

Suitable for: Food industry | Work with acid baths, washing trays, etc. | Industrial cleaning, sewage and waste disposal | Handling of chemicals etc.



GranberG®

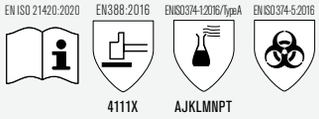
Standards:	EN 21420, 388:2016, 374:2016, 1186
Category:	CE Cat. III
Sizes:	8 | 9 | 10 | 11 | 12
Material:	Nitrile
Lining:	Synthetic liner
Colour:	Blue
Thickness:	Fleece + 0,8 mm
Length:	68 cm
Weight:	
Packaging:	Pair (6/72)
Art:	**114.0660W**

CHEMICAL RESISTANT GLOVES

Seamless polyester liner.

- Excellent grip enables users to handle dry, wet or oily objects with ease.
- Reliable chemical Type A protection.
- Extra softness and flexibility.
- Special double-dipped sandy nitrile coating on the palm.

Suitable for: Petrochemical Industry | Aerospace and mobile industry | Printing industry | Metal fabrication | Public utilities | Industrial cleaning.



CHEMSTAR® BY GRANBERG

Standards:	EN 21420, 388:2016, 374:2016
Category:	CE Cat. III
Sizes:	8 | 9 | 10 | 11 | 12
Material:	Nitrile
Lining:	Polyester
Colour:	Blue
Thickness:	1,30 mm
Length:	35 cm
Weight:	
Packaging:	Pair (12/72)
Art:	**114.6000**

TACTICAL GLOVES

DEVELOPED IN PARTNERSHIP WITH THE LITHUANIAN SPECIAL FORCES

Our tactical gloves are developed in partnership with LK-SOP, the Lithuanian special forces. Like special forces units, our gloves are meant to be inconspicuous.

You won't even know they're there. These gloves take care of you so you can take care of your job.

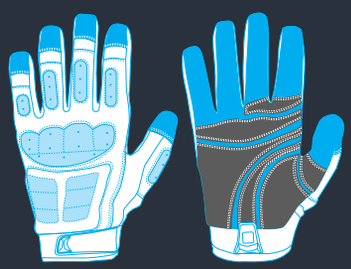
FOR SOME PEOPLE, STAYING SAFE DOES NOT MEAN STAYING OUT OF HARM'S WAY

Some people step right into harm's way, braving hardships and defying the odds too.

GET THE JOB DONE.

SIMILAR, BUT REALLY DIFFERENT

Use the sketches below to compare the properties of the products.

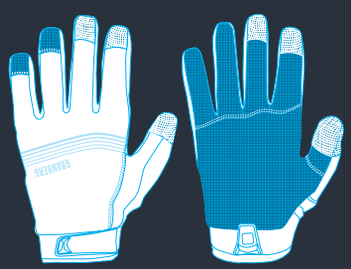


119.2202

- SOFT IMPACT PROTECTION
- EXTRA WEAR RESISTANCE
- HEAT AND CUT PROTECTION

119.2209

- HIGH VISIBILITY
- EXTRA WEAR RESISTANCE
- HEAT AND CUT PROTECTION



119.2212

- TOUCH SCREEN COMPATIBLE
- NEEDLE STICK AND CUT RESISTANT

TOUCHSCREEN COMPATIBLE ASSEMBLY/SHOOTING GLOVES

MicroSkin Shield® material with neoprene back and Velcro closure, unlined.

- Recommended when operating with touch screen devices.
- Flexible.
- Good grip and high touch sensitivity.
- Reinforced fingertips and reinforced palm for added durability.
- Water-repellent and elastic neoprene on the back of hand.

Suitable for: Law enforcement | Military | Special forces | Police | Security | Assembly work and other similar tasks | Touch screen applications.

EN ISO 21420:2020 EN388:2016+A1:2018

1121X

Standards:	EN 21420, 388:2016
Category:	CE Cat. II
Sizes:	8 | 9 | 10 | 11
Material:	MicroSkin Shield® (Palm) Neoprene (Back)
Lining:	Unlined
Colour:	Black
Thickness:	0,5-0,6 mm
Length:	21-23 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**107.8888**

TACTICAL FAST ROPE GLOVES

Goatskin, full Kevlar® lining.

- Full Kevlar® lining in palm and fingers protects from contact heat.
- Seamless finger tips for optimal comfort and safety.
- Goatskin leather provides excellent touch sensitivity.
- Leather reinforcements in palm are following palmar flexion creases and provide rappelling control.
- Very comfortable and fitted.
- Breathable nylon mesh on back of hand keep hands cool and dry.
- Soft impact protection secures knuckles and fingers.
- A rubber pull tab make gloves easy to pull on an remove.
- Velcro closure on wrist.

Suitable for: Fast ropers and rappelling.

Design Protected.

EN420:2003+A1:2009 EN388:2016+A1:2018 EN407:2004

3243X X1XXXX

Standards:	EN 420, 388:2016, 407:2004
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11 | 12
Material:	Goatskin (Palm) Polyester (Back)
Lining:	Kevlar® (Palm lined)
Colour:	Black
Thickness:	
Length:	
Weight:	
Packaging:	Pair (6/72)
Art:	**119.2202**

TACTICAL RESCUE GLOVES

Goatskin, full Kevlar® lining.

- Intended for the rigorous abuse that a hoist operator's glove endures while controlling a hoist cable during rescue operations from military or civil helicopters.
- Also intended for fire rescue operations done by fire brigade personnel.
- Premium grade black goatskin palm and fingers.
- Kevlar® lining in palm and fingers as well as additional layers in the critical areas provide protection against extreme abrasion, extreme heat and potential sharp objects.
- High visibility yellow, elastic neoprene back (black neoprene back is optional).
- Very comfortable and fitted.

Suitable for: The rigorous abuse that a hoist operator's glove endures while controlling a hoist cable during rescue operations from military or civil helicopters. Also intended for fire rescue operations done by fire brigade personnel.

Design Protected.

EN420:2003+A1:2009 EN388:2016 EN407:2004

3243X X2XXXX

Standards:	EN 420, 388:2016, 407:2004
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	Goatskin (Palm) Neoprene (Back)
Lining:	Kevlar® (Fully lined)
Colour:	Black, Green
Thickness:	
Length:	
Weight:	
Packaging:	Pair (6/36)
Art:	**119.2209**

TACTICAL NEEDLE RESISTANT GLOVES

Goatskin, touchscreen compatible.

- Palm and fingers made of premium grade black goatskin.
- Needle stick resistant material in the palm and fingers provides protection from needle hazards and increases cut resistance as well as abrasion and puncture resistance. ASTM Hypodermic Needle (25 gauge) Puncture Resistance is level 5.
- Provides extreme blade cut resistance, EN 388:2016, level F (highest level).
- Touch screen material in the fingertips for operating with touch screen devices.
- Elastic neoprene on back of hand keeps the hands warm and dry.
- A rubber pull tab makes gloves easy to pull on and remove.
- Adjustable Velcro closure on wrist.
- Very comfortable and fitted.
- Sewn with Kevlar® threads.

Suitable for: Law enforcement | Military | Special forces | Police | Security.

EN420:2003+A1:2009 EN388:2016+A1:2018

2X21F

Standards:	EN 420. 388:2016, ASTM F2878
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11 | 12
Material:	Goatskin (Palm) Neoprene (Back)
Lining:	Steel (Palm lined)
Colour:	Black
Thickness:	
Length:	21-26 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**119.2212**

KNITTED GLOVES

ARE YOU SUFFERING FROM ECZEMA OR SENSITIVE SKIN?

Sweat and moisture can be a challenge for people who suffer from eczema and sensitive skin. They may benefit from using specially designed gloves, to be used on their own or as inner gloves.

We particularly recommend our Bamboo gloves, which feel like silk on a dry and cracked hand.

Bamboo viscose has allergy friendly features. These gloves absorb 2-3 times more moisture than cotton gloves.

Our Bamboo® gloves are available in both adult and kids' sizes.

GET SOFT HANDS OVERNIGHT WITH BAMBOO® GLOVES FROM GRANBERG®

Lubricate your hands with moisturizer (as greasy as possible) before going to bed at night. Put on our bamboo gloves and leave them on overnight - you will then wake up to softer skin.

Repeat the treatment 1-2 times a week, especially during the cold and dry winter.

SIMILAR, BUT REALLY DIFFERENT

Use the list below to compare the properties of the products.

	Glove Material								
Art.no	Cotton	Synthetic	Bamboo	Lycra	Dots	Seamless	Suitable as Liner Glove	Washable	More
110.0155			●	●				●	Eczema gloves, childrens sizes
110.0160			●	●				●	Eczema gloves
110.0340						●	●	●	Winter gloves, Thermolite®
110.0356	●	●				●	●		
110.0381						●	●		Heat isolating, acrylic
110.0450	●						●		Light and thin
110.0460	●						●		Extra thin, knitted cuff
110.0461		●				●	●	●	Food approved
110.0470	●				●				Phthalate free vinyl dots
110.0483	●			●	●	●			Vinyl dots
110.0484	●			●	●	●			Vinyl dots

INNER GLOVES

Working in a cold environment is demanding and it may be necessary to provide your hands with extra protection from the cold in addition to the actual work involved.

Sometimes it makes more sense to wear inner/liner gloves instead of wearing dedicated winter gloves. For instance if the temperature varies a lot, and it can get too hot when the environment temperature increases.

Inner gloves can also be used to increase the insulation of winter gloves when the surroundings are extra cold as cold fingers and hands can be the cause of unwanted incidents.

Other situations where liner gloves can be sensible, is when you sweat a lot on your hands during work. Gloves that are completely tight and prevent air from cooling down the hands can then be remedied by the inner gloves absorbing the moisture.
In addition, inner gloves made of bamboo viscose are particularly suitable as they absorb much more moisture than other materials.

CHILD SIZES

CHILDREN'S BAMBOO ECZEMA GLOVES

Skin-friendly, made of bamboo viscose fiber.

Many children suffer from eczema, and suffering itching and discomfort at their hands. These soft children's gloves, which are made from skin-friendly and bamboo, will prevent the child from scratching directly on eczema/ wounds, keeping the cream that is used in the treated area to last longer.

We have been working especially to develop gloves with a tailored fit for children, and therefore offer the gloves in five child sizes. This is so that children should experience as few inconveniences as possible while using the gloves at play and other activities, or during the night.

The gloves can be washed at 60 °C and will keep their good qualities wash after wash.

RECOMMENDED BY
THE NORWEGIAN ASTHMA AND ALLERGY ASSOCIATION

Bamboo	
Standards:	UKCA
Category:	CE
Sizes:	1-2 | 3-4 | 5-6 | 7-8 | 9-10
Material:	Bamboo viscose/Lycra®
Lining:	
Colour:	White
Thickness:	
Length:	17-19 cm
Weight:	
Packaging:	Pair (12/240)
Art:	**110.0155**

BAMBOO ECZEMA GLOVES

Skin-friendly, made of bamboo viscose fiber.

Many adults suffer from eczema, and suffering itching and discomfort at their hands. These super soft gloves, which are made from health-friendly and biodegradable bamboo, will prevent the user from scratching directly on eczema / wounds, keeping the cream that is used in the treated area to last longer.

The gloves have a perfect stretch fit, and they are very comfortable to wear.

The gloves can be washed at 60 °C and will keep their good qualities wash after wash.

EN ISO 21420:2020

RECOMMENDED BY
THE NORWEGIAN ASTHMA AND ALLERGY ASSOCIATION

Bamboo	
Standards:	EN 21420, UKCA
Category:	CE Cat. I
Sizes:	XS | S | M | L | XL
Material:	Bamboo viscose/Lycra®
Lining:	
Colour:	White
Thickness:	
Length:	20-23 cm
Weight:	
Packaging:	Pair (12/240)
Art:	**110.0160**

KNITTED WINTER GLOVES

Thermolite® hollow-core fibre.

- Wicks perspiration away from your skin, while the inner layer remains warm and dry.
- Well fitted and soft.
- Great as a liner.
- Ambidextrous.
- High thermal insulation.

Suitable for: Refrigerated warehousing | Construction and regular outdoor utility work.

Thermolite® is a registered trademark of DuPont.

EN ISO 21420:2020

GranberG®	
Standards:	EN 21420
Category:	CE Cat. I
Sizes:	8,5 | 11
Material:	Thermolite®
Lining:	
Colour:	Blue
Thickness:	
Length:	23 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**110.0340**

KNITTED GLOVES

Machine-knitted.

- Elasticated cuff.
- Great as a liner.

EN ISO 21420:2020

GranberG®	
Standards:	EN 21420
Category:	CE Cat. I
Sizes:	8 | 10
Material:	Polyester
Lining:	
Colour:	White
Thickness:	
Length:	22-26 cm
Weight:	
Packaging:	Pair (12/240)
Art:	**110.0356**

KNITTED WINTER GLOVES

Acrylic.

- Provides good thermal insulation.
- Well fitted and soft.
- Great as a liner.
- Ambidextrous.
- Machine washable at 30°C.
- Approved to be used in direct contact with all types of food, including fatty foods (EN 1186).

Suitable for: Cold storage| Refrigerated warehousing| Regular outdoor utility work.

EN ISO 21420:2020

Standards:	EN 21420, 1186
Category:	CE Cat. I
Sizes:	8 | 10
Material:	Acrylic
Lining:	
Colour:	Grey
Thickness:	
Length:	
Weight:	
Packaging:	Pair (12/240)
Art:	**110.0381**

COTTON GLOVES

100 % Cotton, bleached.

- Light. Very thin and comfortable.
- Used inside single-use gloves or other thin gloves for those who have sensitive skin or are plagued with hand eczema.
- Provides good insulation.

EN ISO 21420:2020

Standards:	EN 21420
Category:	CE Cat. I
Sizes:	S | M | L | XL
Material:	Cotton
Lining:	
Colour:	White
Thickness:	
Length:	23-26 cm
Weight:	
Packaging:	Pair (12/600)
Art:	**110.0450**

INTERLOCK GLOVES

Polyester/cotton, knitted wrist.

- Light. Very thin and comfortable.
- Used inside single-use gloves or other thin gloves.
- Provides good insulation.
- Absorbs moisture.

EN ISO 21420:2020

Standards:	EN 21420
Category:	CE Cat. I
Sizes:	8 | 10
Material:	Polyester/Cotton
Lining:	
Colour:	White
Thickness:	
Length:	25-27 cm
Weight:	
Packaging:	Pair (12/960)
Art:	**110.0460**

INNER GLOVES

Polyester, machine-knitted.

- Light. Very thin and comfortable.
- Used inside single-use gloves or other thin gloves for those who have sensitive skin or are plagued with hand eczema.
- Provides good insulation.
- Machine washable at 70 °C.

EN420:2003+A1:2009 EN388:2016+A1:2018

0121X

Standards:	EN 420, 388:2016, 1186
Category:	CE Cat. II
Sizes:	10
Material:	Polyester
Lining:	
Colour:	White
Thickness:	
Length:	23 cm
Weight:	
Packaging:	Pair (12/960)
Art:	**110.0461**

PHTHALATE FREE

COTTON GLOVES

Vinyl/PVC microdots.

- Small vinyl/PVC dots without phthalates provide good grip.
- Comfortable to wear.

EN ISO 21420:2020

GranberG®	
Standards:	EN 21420
Category:	CE Cat. I
Sizes:	6 | 7 | 8 | 9 | 10 | 11
Material:	Cotton with vinyl/PVC dots
Lining:	
Colour:	White
Thickness:	
Length:	22-28 cm
Weight:	
Packaging:	Pair (12/600)
Art:	**110.0470**

PHTHALATE FREE

COTTON GLOVES WITH SPANDEX

Vinyl/PVC microdots.

- Small vinyl/PVC dots without phthalates provide good grip.
- Comfortable to wear.
- Machine knitted, seamless.

EN ISO 21420:2020

GranberG®	
Standards:	EN 21420
Category:	CE Cat. I
Sizes:	7 | 8 | 9 | 10
Material:	Cotton/Spandex with vinyl/PVC dots
Lining:	
Colour:	White
Thickness:	
Length:	19-24 cm
Weight:	
Packaging:	Pair (12/600)
Art:	**110.0483**

PHTHALATE FREE

COTTON GLOVES WITH SPANDEX

Vinyl/PVC microdots.

- Small vinyl/PVC dots without phthalates provide good grip.
- Comfortable to wear.
- Machine knitted, seamless.

EN ISO 21420:2020

GranberG®	
Standards:	EN 21420
Category:	CE Cat. I
Sizes:	7 | 8 | 9 | 10
Material:	Cotton/Spandex with vinyl/PVC dots
Lining:	
Colour:	Black
Thickness:	
Length:	19-24 cm
Weight:	
Packaging:	Pair (12/600)
Art:	**110.0484**

ALL-ROUND GLOVES

THE HAND

YOUR MOST IMPORTANT TOOL!

Your hand is the main tool of the human body. It represents one of the body's most complex and useful mechanisms.

THE HUMAN HAND HAS:

- 27 different bones.
- 30 joints.
- 55 muscles.
- An average grip strength of 50 kg!

The hand being our primary tool is quite exposed to many risks. It is therefore very important to protect it.
Keep in mind to use the right hand protection for the task as the wrong glove choice can add to the danger instead of protecting you from it.

SIMILAR, BUT REALLY DIFFERENT

Use the list below to compare the properties of the products.

					Fit			
Art.no	Winter lined	Velcro Closure	Leather	Coated	Tight	Normal	Loose	More
101.9510			●				●	
101.9540	●		●				●	
101.9740	●		●				●	
102.9500			●				●	
103.4190			●				●	
103.4270			●			●		
103.4275		●	●			●		
107.4201					●			Touchscreen compatible
107.8110	●					●		
107.8112	●					●		Waterproof and breathing membrane
108.3110				●	●			Dissolves in contact with oil
108.8095	●			●	●			
113.1020			●			●		
113.1051	●		●			●		Waterproof and breathing membrane
114.0070				●			●	
114.0156				●		●		
114.0157				●		●		
120.1118		●			●			

WORK GLOVES

Pig grain leather with rubberized cuff, palm lined.

- Durable. For tasks with a high priority on wear resistance.

Suitable for: Versatile use in engineering industry.

EN420:2003+A1:2009 EN388:2016+A1:2018

3122X

Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	8 | 9 | 10 | 11 | 12
Material:	Pig grain (Palm) Cotton drill (Back)
Lining:	Cotton fleece (Palm lined)
Colour:	Red, Beige
Thickness:	1,0-1,2 mm
Length:	24-27 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**101.9510**

WORK WINTER GLOVES

Pig grain leather with rubberized cuff, winter lined.

- Durable. For tasks with a high priority on wear resistance.
- Provides good thermal insulation.

Suitable for: Outdoor work in building and construction, etc.

EN ISO 21420:2020 EN388:2016 EN 511:2006

3112X 11X

Standards:	EN 21420, 388:2016, 511
Category:	CE Cat. II
Sizes:	10 | 11 | 12
Material:	Pig grain (Palm) Cotton drill (Back)
Lining:	Synthetic liner (Fully lined)
Colour:	Red, Beige
Thickness:	1,0-1,2 mm
Length:	27-29 cm
Weight:	
Packaging:	Pair (6/60)
Art:	**101.9540**

WORK WINTER GLOVES

Pig grain leather with pasted cuff, winter lined.

- Durable. For tasks with a high priority on wear resistance.
- Provides good thermal insulation.

Suitable for: Outdoor work in cold environments within building and construction industry.

EN ISO 21420:2020 EN388:2016+A1:2018 EN 511:2006

4222X 13X

Standards:	EN 21420, 388:2016, 511
Category:	CE Cat. II
Sizes:	9 | 11
Material:	Pig grain (Palm) Cotton drill (Back)
Lining:	Acrylic fur (Fully lined)
Colour:	Black, Beige
Thickness:	1,0-1,2 mm
Length:	27-30 cm
Weight:	
Packaging:	Pair (6/60)
Art:	**101.9740**

WORK GLOVES

Cow split leather with rubberized cuff, palm lined.

- Durable. For tasks with a high priority on wear resistance.

Suitable for: Work with lumber and other heavy-duty work | Dry work environments.

EN420:2003+A1:2009 EN388:2016

3134X

Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	10 | 11
Material:	Cow split (Palm) Cotton drill (Back)
Lining:	Cotton fleece (Palm lined)
Colour:	White, Yellow
Thickness:	1,2-1,4 mm
Length:	27-28 cm
Weight:	
Packaging:	Pair (12/60)
Art:	**102.9500**

WORK GLOVES

A-grade cow grain leather with rubberized cuff, palm lined.

- Durable. For tasks with a high priority on wear resistance.

Suitable for: Stone | Wire | Concrete products | Heavy duty work, etc.

EN420:2003+A1:2009 EN388:2016+A1:2018

4121X

Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	8 | 9 | 10 | 11 | 12
Material:	Cow grain (Palm) Cotton drill (Back)
Lining:	Cotton fleece (Palm lined)
Colour:	Blue, Beige
Thickness:	1,1-1,3 mm
Length:	24-28 cm
Weight:	
Packaging:	Pair (6/60)
Art:	**103.4190**

ASSEMBLY GLOVES

A-grade cow grain leather, unlined.

- Comfortable and flexible.
- Soft and strong leather ensures a long life-span.

Suitable for: Varied engineering work with high wear and tear requirements.

EN420:2003+A1:2009 EN388:2016+A1:2018

2142X

Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	8 | 9 | 10 | 11
Material:	Cow grain
Lining:	Unlined
Colour:	Beige
Thickness:	0,8-1,0 mm
Length:	23-26 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**103.4270**

ASSEMBLY GLOVES

A-grade cow grain leather with Velcro closure, unlined.

- Comfortable.
- Soft and strong leather ensures a long life-span.

Suitable for: Varied engineering work with high wear and tear requirements.

EN420:2003+A1:2009 EN388:2016+A1:2018

2122X

Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	9 | 10 | 11
Material:	Cow grain
Lining:	Unlined
Colour:	Beige
Thickness:	0,8-1,0 mm
Length:	24-26 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**103.4275**

TOUCHSCREEN COMPATIBLE ASSEMBLY GLOVES

MicroSkin Shield® material, elastic polyester back.

- Recommended when operating with touch screen devices.
- Anti-slip pattern in the palm provides enhanced grip.
- Comfortable and fitted.
- Ideal for work that requires precision and accuracy.
- Good breathability.

Suitable for: Touch screen applications | Light and medium fabrication | General assembly | Automotive manufacturing | Inspection/control, etc.

EN420:2003+A1:2009 EN388:2016+A1:2018

2111X

Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11
Material:	MicroSkin Shield® (Palm) Polyester (Back)
Lining:	Unlined
Colour:	Black, Green
Thickness:	
Length:	22-26 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**107.4201**

ALL-ROUND WINTER GLOVES

MicroSkin Shield® material, Polyester/Spandex® back.

- Provides protection against cold.
- Good grip and flexibility.
- Palm and thumb-base reinforcement.
- Fully lined with warm and soft liner with additional breathable membrane on the palm.
- Bright colour on the back of the hand and reflective tape around the cuff for better visibility.
- Good breathability.

Suitable for: Assembly/fine work in cold conditions.

EN420:2003+A1:2009 | EN388:2016+A1:2018 1121X | EN 511:2006 11X

BY GRANBERG

Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	MicroSkin Shield® (Palm) Polyester, Spandex® (Back)
Lining:	Synthetic liner (Fully lined)
Colour:	Black, Green
Thickness:	
Length:	
Weight:	
Packaging:	Pair (12/120)
Art:	**107.8110**

ALL-ROUND WINTER GLOVES

MicroSkin Shield® material with ProTex® membrane, Spandex® back.

- Flexibility and good grip.
- Provides protection against cold and moisture.
- Sewn-in thermal, waterproof and breathable ProTex® membrane.
- Warm and soft liner inside the gloves.
- Palm and thumb-base reinforcement.
- Reflectives around the cuff.

Suitable for: Assembly work and other tasks in cold environments with high requirements to mobility, flexibility and grip.

EN ISO 21420:2020 | EN388:2016+A1:2018 2322X | EN 511:2006 230

BY GRANBERG

Standards:	EN 21420, 388:2016, 511
Category:	CE Cat. II
Sizes:	8 | 9 | 10 | 11 | 12
Material:	MicroSkin Shield® (Palm) Spandex® (Back)
Lining:	Synthetic liner/ProTex® membrane (Fully lined)
Colour:	Black
Thickness:	
Length:	26-29 cm
Weight:	
Packaging:	Pair (6/60)
Art:	**107.8112**

WORK GLOVES

Latex coating.

- Universal all-round handling gloves for work and hobby.
- Flexible.
- Good grip and durability.

Suitable for: All tasks in dry conditions, where it is most important with a sure grip.

EN420:2003+A1:2009 | EN388:2016+A1:2018 2242X

GranberG®

Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	9 | 10
Material:	Latex
Lining:	Cotton/Polyester
Colour:	Green
Thickness:	
Length:	23-24 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**108.3110**

KNITTED WINTER GLOVES

Latex foam coating.

- Flexible and comfortable.
- Good grip and long life-span.
- Provides good thermal insulation.

Suitable for: Building, handicraft and handling of goods in cold environments.

EN420:2003+A1:2009 | EN388:2016+A1:2018 1231X | EN 511:2006 11X

GranberG®

Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	9 | 10 | 11 | 12
Material:	Latex
Lining:	Acrylic flannel
Colour:	Blue, Grey
Thickness:	
Length:	25-29 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**108.8095**

ASSEMBLY GLOVES

Goatskin, unlined.

- Goatskin leather is soft, flexible and touch sensitive.
- Goatskin has higher strength-to-weight ratio than cow grain leather.
- Strong leather makes the gloves very durable.
- Fits hand well.

Suitable for: Assembly work | Grinding work with metals.

EN420:2003+A1:2009 EN388:2016+A1:2018

3121X

Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11
Material:	Goatskin
Lining:	Unlined
Colour:	White
Thickness:	0,7-0,9 mm
Length:	22-26 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**113.1020**

WORK GLOVES FULLY THINSULATE™-LINED

Goatskin, ProTex® membrane, 3M Thinsulate™ liner.

- Leather glove features combined with advantages ProTex® wind- and waterproof, breathable membrane.
- The sewn-in ProTex® membrane keeps hands warm and dry when working.
- Warm and lightweight 3M Thinsulate™ C40 insulation provides very good protection against cold.
- Soft and durable goatskin in the palm and Spandex® on back of hand.
- Provides very good thermal insulation.

Suitable for: Construction | Heavy duty work |Shipping | Cold Storage | Outdoor winter use | Damp, windy, cold environments.

EN420:2003+A1:2009 EN388:2016+A1:2018 EN 511:2006

3122X 220

Standards:	EN 420, 388:2016, 511
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10 | 11 | 12
Material:	Goatskin (Palm) Spandex® (Back)
Lining:	3M Thinsulate™/ProTex® membrane (Fully lined)
Colour:	White, Grey
Thickness:	0,85-0,95 mm
Length:	24-29 cm
Weight:	
Packaging:	Pair (6/72)
Art:	**113.1051**

WORK GLOVES

Full nitrile coating with rubberized cuff.

- For rough work: best in dry and strongly abrasive conditions.

EN420:2003+A1:2009 EN388:2016+A1:2018

3111X

Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	10
Material:	Nitrile
Lining:	Cotton
Colour:	Blue
Thickness:	
Length:	26 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**114.0070**

WORK GLOVES

Full nitrile coating with knitted wrist.

- Durable.
- Special nitrile formulation provides an excellent combination of flexibility, mechanical resistance and oil repellence.
- Ensure cleanliness of metal sheets.
- Sanitized® treated to prevent bacteria growth and promote freshness.

Suitable for: Refuse collection | Sheet and light metals handling | Stamping operations | Gas and electricity supply | Assembling and inspecting engine parts | General handling.

EN21420:2003+A1:2009 EN388:2016+A1:2018

4111X

Standards:	EN 21420, 388:2016
Category:	CE Cat. II
Sizes:	7 | 8 | 9 | 10
Material:	Nitrile
Lining:	Cotton
Colour:	Blue
Thickness:	
Length:	25-26 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**114.0156**

WORK GLOVES

Full nitrile coating with knitted wrist.

- Special nitrile formulation provides an excellent combination of flexibility and mechanical resistance.

Suitable for: Refuse collection | Sheet and light metals handling | Stamping operations | Gas and electricity supply | Assembling and inspecting engine parts | General handling.

EN420:2003+A1:2009 EN388:2016

2111X

Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	10
Material:	Nitrile
Lining:	Cotton
Colour:	Blue
Thickness:	
Length:	28 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**114.0157**

ASSEMBLY GLOVES

MacroSkin Pro® with Velcro closure, unlined.

- A rugged work glove that lasts long.
- Reinforced palm and fingertips.
- Soft and supple neoprene wrist with adjustable Velcro closure.
- Good breathability.

Suitable for: Rough work, e.g. for offshore usage | Iron fixing | Sawmill work.

Design Protected.

EN420:2003+A1:2009 EN388:2016+A1:2018

3142X

Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	8 | 9 | 10 | 11 | 12
Material:	MacroSkin Pro® (Palm) Spandex®/Polyester (Back)
Lining:	Unlined
Colour:	Black, Grey, Green
Thickness:	
Length:	23-26 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**120.1118**

WELDING AND TIG GLOVES

PROTECTIVE GLOVES FOR WELDERS

EN 12477:2001

This standard applies to protective gloves for use in manual metal welding, cutting and allied processes.

Gloves approved in accordance with the standard, are classified as one of two types: Type A or type B.

For each of the types, the standard defines a set of minimum requirements for performance with a series of tests carried out in accordance to EN 388, EN 407 and EN 420.

The table at the right shows an overview of these tests and the minimum requirements. Which type you should choose depends on the type of work you are going to do.

TYPE A

Lower dexterity and higher performance for physical characteristics. This type is recommended for all welding operations where a higher level of protection would be needed. It is not recommended for TIG* welding.

TYPE B

Higher dexterity and lower physical performance. This type is recommended for TIG* welding.

The EN 12477:2001 standard also includes further tests and requirements.

SIMILAR, BUT REALLY DIFFERENT

Use the list below to compare the properties of the products.

	Fit				Glove Material				
Art.no	Tight	Normal	Loose	Length (cm)	Cow Split	Goatskin	Cow Skin	Lining	More
103.4230K		●		26-29			●	Cotton fleece	
104.2560			●	36			●	Cotton fleece	
105.1690K			●	35	●			Cotton fleece	
105.3810	●			33-36		●		Kozane®	Very hight cut protection
106.1690K			●	33-36	●			Cotton fleece	
106.3600K		●		35		●		Unlined	TIG gloves
106.3700K		●		32-34		●		Unlined	TIG gloves

MINIMUM PERFORMANCE REQUIRED FOR APPROVAL ACCORDING TO THE EN 12477:2001 STANDARD:

REQUIREMENTS	STANDARD	Type A	TypeB
Abrasion resistance	EN 388	Level 2	Level 1
Cut resistance	EN 388	Level 1	Level 1
Tear resistance	EN 388	Level 2	Level 1
Puncture resistance	EN 388	Level 2	Level 1
Resistance to open fire	EN 407	Level 3	Level 2
Resistance to contact heat	EN 407	Level 1	Level 1
Resistance to transfer heat	EN 407	Level 2	–
Resistance to splashes of molten metal	EN 407	Level 3	Level 2
Dexterity	EN 420	Level 1	Level 4

** TIG welding (Tungsten Inert Gas) is an arc welding process that uses a non-consumable tungsten electrode to produce the weld. This method is now officially named GTAW (Gas Tungsten Arc Welding).*

WORK AND HEAT RESISTANCE GLOVES

A-grade cow grain leather, fully lined.

- Made for durability and long-lasting comfort.
- Designed with thumb base area reinforcement.
- Sewn with strong, heat-resistant Kevlar® thread.

Suitable for: Heavy-duty engineering work | Machining | Grinding, etc.

EN420:2003+A1:2009 | EN388:2016+A1:2018 4142X | EN407:2004 423142

Standards:	EN 420, 388:2016, 407:2004, UKCA
Category:	CE Cat. II
Sizes:	9 | 10,5
Material:	Cow grain (Palm) Cow split (Back)
Lining:	Cotton fleece (Fully lined)
Colour:	White, Brown
Thickness:	1,4-1,6 mm
Length:	26-29 cm
Weight:	
Packaging:	Pair (6/60)
Art:	**103.4230K**

WELDER'S GLOVES

Cow split leather, fully lined.

- Comfortable.
- Sewn with strong, heat-resistant Kevlar® thread.

Suitable for: Welding | Cutting | Grinding, etc.

EN420:2003+A1:2009 | EN388:2016+A1:2018 4143X | EN407:2004 413142

Standards:	EN 420, 388:2016, 407:2004, 1149-2, 12477, UKCA
Category:	CE Cat. II
Sizes:	10
Material:	Cow split
Lining:	Cotton fleece (Fully lined)
Colour:	Green
Thickness:	1,0-1,3 mm
Length:	36 cm
Weight:	
Packaging:	Pair (6/60)
Art:	**104.2560**

WELDER'S GLOVES

A-grade cow grain leather, fully lined.

- Comfortable and soft.
- Designed with thumb base area reinforcement.
- Sewn with strong, heat-resistant Kevlar® thread.

Suitable for: Varied welding in steel, aluminum and other metals.

EN420:2003+A1:2009 | EN388:2016+A1:2018 2132X | EN407:2004 412142

Standards:	EN 420, 388:2016, 407:2004, 1149-2, 12477, UKCA
Category:	CE Cat. II
Sizes:	10
Material:	Cow grain (Palm) Cow split (Back)
Lining:	Cotton fleece (Fully lined)
Colour:	White, Brown
Thickness:	1,2-1,4 mm
Length:	35 cm
Weight:	
Packaging:	Pair (6/60)
Art:	**105.1690K**

MIG WELDING GLOVES

Cut resistant Kozane® FR material and goatskin.

- Superior gloves for MIG welding as well as for handling sharp sheet metal etc.
- Provides exceptional comfort and extreme cut and puncture resistance.
- High protection against heat combined with excellent dexterity.
- Lasts 4-5 times longer than regular MIG gloves made from goatskin.
- Reinforcements sewn on to the thumb base for extra durability.
- 14 cm cow split leather cuff.

Suitable for: MIG welding | Grinding | Cutting.

EN ISO 21420:2020 | EN388:2016+A1:2018 3X42F | EN407:2004 424244 | ANSI/ISEA 105 ANSI CUT A6

Standards:	EN 21420, 388:2016, 407:2004, 1149-2, 12477, ANSI/ISEA, UKCA
Category:	CE Cat. III
Sizes:	8 | 9 | 10 | 11 | 12
Material:	Goatskin
Lining:	Kozane® (Palm lined)
Colour:	White, Black, Red
Thickness:	
Length:	33-36 cm
Weight:	
Packaging:	Pair (6/36)
Art:	**105.3810**

WELDER'S GLOVES

A-grade cow split leather, fully lined.

- Sturdy, long-life welding gloves.
- Designed with thumb base area reinforcement.
- Sewn with strong, heat-resistant Kevlar® thread.

Suitable for: Varied welding in steel, aluminium and other metals | Cutting | Grinding, etc.

EN420:2003+A1:2009 EN388:2016+A1:2018 EN407:2004

4142X 423142

WELD ZONE GranberG®	
Standards:	EN 420, 388:2016, 407:2004, 1149-2, 12477
Category:	CE Cat. II
Sizes:	8,5 | 11 | 12
Material:	Cow split
Lining:	Cotton fleece (Fully lined)
Colour:	White, Yellow
Thickness:	1,2-1,4 mm
Length:	33-36 cm
Weight:	
Packaging:	Pair (6/60)
Art:	**106.1690K**

TIG GLOVES

Goatskin, unlined.

- Durable. Soft, and wear resistant.
- High touch sensitivity.
- Sewn with strong, heat-resistant Kevlar® thread.

Suitable for: TIG welding.

EN420:2003+A1:2009 EN388:2016+A1:2018 EN407:2004

2121X 412142

TIG plus GranberG®	
Standards:	EN 420, 388:2016, 407:2004, 1149-2, 12477, UKCA
Category:	CE Cat. II
Sizes:	9 | 10 | 11
Material:	Goatskin
Lining:	Unlined
Colour:	White, Yellow
Thickness:	0,9-1,0 mm
Length:	35 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**106.3600K**

TIG GLOVES

Goatskin, unlined.

- Durable. Soft, and wear resistant.
- High touch sensitivity.
- Sewn with strong, heat-resistant Kevlar® thread.

Suitable for: TIG welding.

EN420:2003+A1:2009 EN388:2016+A1:2018 EN407:2004

3111X 412244

TIG super GranberG®	
Standards:	EN 420, 388:2016, 407:2004, 1149-2, 12477, UKCA
Category:	CE Cat. III
Sizes:	8 | 9 | 10 | 11
Material:	Goatskin
Lining:	Unlined
Colour:	Blue, White
Thickness:	0,9-1,0 mm
Length:	32-34 cm
Weight:	
Packaging:	Pair (12/120)
Art:	**106.3700K**

GARDENING GLOVES

GLOVES FOR GARDENING ALL YEAR ROUND

Gardening includes a variety of tasks and we have several gloves presented in this catalogue that are made to protect your hands while you work in different circumstances all year round.

This category presents only a selection of our favourites for garden work.

SPRING

Springtime in the garden may be the best season of all, when everything starts to bloom after a long winter. It is the best time for tidying up and planting. In some regions it is still quite cold, so a light winter-lined glove could be a great alternative.

SUMMER

Weeding, watering and harvesting form the main part of summer gardening. At this time of year, the soil is most often dried up and you can use almost any protective glove for the job. Why not try one of our tight-fitted coated gardening gloves.

If you want to involve the kids, we also stock gloves in children's sizes.

AUTUMN

Autumn leaves are falling, and the garden needs your attention before winter arrives. Transplanting, pulling out dead plants, trimming, covering trees and plants, cleaning up the green house, planting early-blooming spring bulbs, etc.

The to-do list is long this time of year.

WINTER

During the winter season, you need gloves that will keep your hands warm and dry. If you would like a wider variety to choose from, check our chapter containing winter gloves.

CHILD SIZES

WORK AND PLAY GLOVES FOR CHILDREN, OEKO-TEX® 100 APPROVED

Latex foam coating.

- Recycled paper header card for retail sales.
- Nylon liner creates a soft, flexible, and comfortable feel.
- Excellent grip without loss of touch sensitivity.

Suitable for: Playing in the sandbox, with the play set, holding toys or tools.

OEKO-TEX® CONFIDENCE IN TEXTILES STANDARD 100 21.HNO.59941 HOHENSTEIN HTTI Tested for harmful substances. www.oeko-tex.com/standard100

GranberG®

Standards:	
Category:	CE
Sizes:	S (3-5 years) | M (5-7 years)
Material:	Latex
Lining:	Nylon/Spandex®
Colour:	Blue
Thickness:	
Length:	18-19 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**108.0113**

CHILD SIZES

WORK AND PLAY GLOVES FOR CHILDREN, OEKO-TEX® 100 APPROVED

Latex foam coating.

- Recycled paper header card for retail sales.
- Nylon liner creates a soft, flexible, and comfortable feel.
- Excellent grip without loss of touch sensitivity.

Suitable for: Playing in the sandbox, with the play set, holding toys or tools.

OEKO-TEX® CONFIDENCE IN TEXTILES STANDARD 100 21.HNO.59941 HOHENSTEIN HTTI Tested for harmful substances. www.oeko-tex.com/standard100

GranberG®

Standards:	
Category:	CE
Sizes:	S (3-5 years) | M (5-7 years)
Material:	Latex
Lining:	Nylon/Spandex®
Colour:	Orange
Thickness:	
Length:	18-19 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**108.0114**

NEW!

GARDENING GLOVES, OEKO-TEX® 100 APPROVED

Latex foam coating, nylon seamless liner.

- Soft, flexible latex foam coating provides good grip and high touch sensitivity.
- Comfortable, breathable nylon back.
- Header card for retail sales.

Suitable for: Gardening | High touch sensitivity function and good grip.

OEKO-TEX® CONFIDENCE IN TEXTILES STANDARD 100 21.HNO.59941 HOHENSTEIN HTTI Tested for harmful substances. www.oeko-tex.com/standard100

EN ISO 21420:2020

GranberG®

Standards:	EN 21420
Category:	CE Cat. I
Sizes:	7 | 8
Material:	Latex
Lining:	Nylon
Colour:	Grey, Orange
Thickness:	
Length:	21-22 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**108.0560**

NEW!

BAMBOO GARDENING GLOVES

Foam latex coating, bamboo viscose mixed with spandex liner.

- Soft, flexible latex foam coating provides good grip and flexibility.
- Bamboo viscose offers excellent breathability compared to cotton or other synthetic materials.
- Breathable liner enhances comfort.
- Bamboo fibre provides great absorption, superior to cotton.
- Header card for retail sales.

Suitable for: Gardening | High touch sensitivity function and good grip.

EN ISO 21420:2020

Bamboo

Standards:	EN 21420
Category:	CE Cat. I
Sizes:	7 | 8
Material:	Latex
Lining:	Bamboo viscose
Colour:	Grey
Thickness:	
Length:	21-22 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**108.0620**

GARDENING GLOVES

Goatskin, unlined

- Goatskin leather is soft and flexible.
- Goatskin has a higher strength-to-weight ratio than cow grain leather.
- Strong leather makes the gloves very durable.
- Long gauntlet cuff made from cow split leather protects forearms from cuts and scratches.
- Header card for retail sales.

Suitable for: Rose gardening | Pruning all prickly trees and bushes.

EN ISO 21420:2020

Standards:	EN 21420
Category:	CE Cat. I
Sizes:	8
Material:	Goatskin
Lining:	Unlined
Colour:	White, Grey
Thickness:	
Length:	33 cm
Weight:	
Packaging:	Pair (6/72)
Art:	**113.0570**

ASSEMBLY WINTER GLOVES

Full nitrile microfoam coating, fleece liner.

- High durability, dexterity and tactile sensitivity.
- Resistant to contact heat up to 250°C for 15 seconds.
- Provides good thermal insulation.
- Water and oil repellent.
- A great alternative to leather driver's gloves.
- Sanitized® treated to prevent bacteria growth and promote freshness.

Suitable for: Light and medium fabrication | General assembly | Automotive manufacturing | Motor mechanics when handling hot parts | Cold Storage | Outdoor winter use.

EN420:2003+A1:2009 | EN388:2016 | EN407:2004 | EN 511:2006

4121B | X2XXXX | 11X

Standards:	EN 420, 388:2016, 407:2004, 511
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11
Material:	Nitrile
Lining:	Jersey fleece
Colour:	Blue
Thickness:	
Length:	23-26 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**114.4272W**

ASSEMBLY GLOVES

MacroSkin Pro® with elastic polyester back, unlined.

- Comfortable and fitted.
- Ideal for work that requires precision and accuracy.
- Good breathability.

Suitable for: Light and medium fabrication | General assembly | Automotive manufacturing | Inspection/Control | Gardening | Retail.

EN420:2003+A1:2009 | EN388:2016+A1:2018

2121X

Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	6 | 7 | 8
Material:	MacroSkin Pro® (Palm) Polyester (Back)
Lining:	Unlined
Colour:	Black, Grey, Pink
Thickness:	
Length:	21-23 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**120.4281**

ASSEMBLY GLOVES

MacroSkin Pro® with elastic polyester back with Velcro closure, unlined.

- Comfortable and fitted.
- Ideal for work that requires precision and accuracy.
- Good breathability.

Suitable for: Light and medium fabrication | General assembly | Automotive manufacturing | Inspection/control | Gardening | Retail.

EN420:2003+A1:2009 | EN388:2016+A1:2018

2121X

Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	6 | 7 | 8
Material:	MacroSkin Pro® (Palm) Polyester (Back)
Lining:	Unlined
Colour:	Black, Grey, Pink
Thickness:	
Length:	21-23 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**120.4283**

ASSEMBLY GLOVES

MacroSkin Pro® with elastic polyester back with Velcro closure, unlined.

- Comfortable and fitted.
- Ideal for work that requires precision and accuracy.
- Good breathability.

Suitable for: Light and medium fabrication | General assembly | Automotive manufacturing | Inspection/control, etc.

EN420:2003+A1:2009 EN388:2016+A1:2018

2121X

EX® BY GRANBERG

Standards:	EN 420, 388:2016
Category:	CE Cat. II
Sizes:	6 | 7 | 8 | 9 | 10 | 11
Material:	MacroSkin Pro® (Palm) Polyester (Back)
Lining:	Unlined
Colour:	Black, Grey, Green
Thickness:	
Length:	21-26 cm
Weight:	
Packaging:	Pair (12/144)
Art:	**120.4293**

single use

SINGLE-USE CLOTHING

SIMILAR, BUT REALLY DIFFERENT

Use the list below to compare the properties of the products.

		Material							
Art.no	Product	PE	CPE	LDPE	NON-WOVEN PP	Colour	Thickness (my)	Food Approved	More
210.0021	Beard Cover				●	White		●	12 grams
210.0022E	Surgical Face masks				●	Light Blue		●	3,1 grams
210.0025	Surgical Face masks				●	Black			3,1 grams
210.0026	Surgical Face masks				●	Black			3,1 grams
210.0032	Disposable Aprons			●		White	40	●	150 cm
210.0032B	Disposable Aprons			●		Blue	40	●	150 cm
210.0033	Disposable Aprons			●		White	40	●	160 cm
210.0033B	Disposable Aprons			●		Blue	40	●	160 cm
210.0034	Disposable Aprons			●		White	40	●	130 cm
210.0034B	Disposable Aprons			●		Blue	40	●	130 cm
210.0040	Snood Cap				●	White		●	10 grams
210.0040B	Snood Cap				●	Blue		●	10 grams
210.0045	Mob Cap				●	White		●	3 grams
210.0045B	Mob Cap				●	Blue		●	3 grams
210.0060	Shoe Covers, Standard		●			Blue	36	●	16 inches
210.0060S	Shoe Covers, Standard		●			Blue	33	●	16 inches
210.0061	Shoe Covers, Standard		●			Blue	36	●	18 inches
210.0062	Shoe Covers, Double		●			White	65	●	16 inches
210.0063	Boot Covers		●			White	65	●	16 inches
210.0073	Sleve Covers			●		White	16	●	46 cm
210.0073B	Sleve Covers			●		Blue	16	●	46 cm
210.0074B	Sleve Covers			●		Blue	25	●	60 cm
210.0085	Disposable Gowns		●			Blue	30	●	150 cm
210.0090	Visitor's Coats				●	White		●	35 grams
210.0095	Disposable Coverall				●	White		●	37 grams
210.1012	Disposable Respirator FFP2					White			
904.2010	Shoe Covers		●			Blue	35	●	For dispenser

BEARD COVER, WHITE

Comfortable elastic band.

- Made of soft non-woven polypropylene material (12 g).
- Breathable, lightweight and hygienic.
- Perfect for work areas where hair cover is encouraged or required.
- Approved to be used in contact with food.

Suitable for: Catering | Restaurants | Food production | Healthcare.

Standarder:	EN 1186
Category:	CE
Sizes:	One size
Material:	Non-woven polypropylene
Lining:	
Colour:	White
Thickness:	
Length:	
Weight:	12 g
Outer Packaging:	100/1000
Art:	**210.0021**

SURGICAL FACE MASKS, 50-PACK

Non-woven polypropylene, Type IIR.

- >99% particle filtration.
- Splash-resistant against blood and bodily fluids.
- Made of non-woven polypropylene for good breathability.
- Made of 3 layers for excellent filtration and protection:
  - the middle layer filters airborne particles.
  - the inner layer relieves the accumulation of moisture.
  - the outer layer prevents inhalation of smallest droplets and provides resistance against splashes.
- Soft, elastic band for ears.
- Adjustable nose clip for better fitting.
- 100% latex-free.
- In accordance with the EU standard for medical face masks EN 14683:2019+AC:2019.

Also available in black colour (art. 210.0025).

MD

Standarder:	EN 1186, 14683:2019+AC:2019, Type IIR
Category:	CE
Sizes:	One size (9x17,5 cm)
Material:	Non-woven polypropylene
Lining:	
Colour:	Blue, White
Thickness:	
Length:	
Weight:	
Outer Packaging:	50/1000
Art:	**210.0022E**

BLACK SURGICAL FACE MASKS, 50-PACK

Black non-woven polypropylene, Type IIR.

- >99% particle filtration.
- Splash-resistant against blood and bodily fluids.
- Made of non-woven polypropylene for good breathability.
- Made of 3 layers for excellent filtration and protection:
  - the middle layer filters airborne particles.
  - the inner layer relieves the accumulation of moisture.
  - the outer layer prevents inhalation of smallest droplets and provides resistance against splashes.
- Soft, elastic band for ears.
- Adjustable nose clip for better fitting.
- 100% latex-free.
- In accordance with the EU standard for medical face masks EN 14683:2019+AC:2019.

Also available in blue colour (art. 210.0022E).

MD

Standarder:	EN 1186, 14683:2019+AC:2019, Type IIR
Category:	CE
Sizes:	One size (9x17,5 cm)
Material:	Non-woven polypropylene
Lining:	
Colour:	Black
Thickness:	
Length:	
Weight:	
Outer Packaging:	50/1000
Art:	**210.0025**

BLACK SURGICAL FACE MASKS, 10-PACK

Black non-woven polypropylene, Type IIR.

- >99% particle filtration.
- Splash-resistant against blood and bodily fluids.
- Made of non-woven polypropylene for good breathability.
- Made of 3 layers for excellent filtration and protection:
  - the middle layer filters airborne particles.
  - the inner layer relieves the accumulation of moisture.
  - the outer layer prevents inhalation of smallest droplets and provides resistance against splashes.
- Soft, elastic band for ears.
- Adjustable nose clip for better fitting.
- 100% latex-free.
- In accordance with the EU standard for medical face masks EN 14683:2019+AC:2019.

Also available as 50-pack boxes (art. 210.0025).

MD

Standarder:	EN 1186, 14683:2019+AC:2019, Type IIR
Category:	CE
Sizes:	One size (9x17,5 cm)
Material:	Non-woven polypropylene
Lining:	
Colour:	Black
Thickness:	
Length:	
Weight:	
Outer Packaging:	10/1000
Art:	**210.0026**

DISPOSABLE APRONS

LDPE, 40 microns, 150 cm.

- Perforated tear line and holes for hanging.
- Thickness: 40 microns.
- 100% virgin PE.
- Suitable for direct contact with all types of foodstuffs.

Also available in 90x160 cm (art. 210.0033)

Sizes:	One size
Material:	LDPE
Colour:	White
Weight:	43 g
Outer Packaging:	50/250
Art:	**210.0032**

DISPOSABLE APRONS

LDPE, 40 microns, 150 cm.

- Perforated tear line and holes for hanging.
- Thickness: 40 microns.
- 100% virgin PE.
- Suitable for direct contact with all types of foodstuffs.

Also available in 90x160 cm (art. 210.0033B).

Sizes:	One size
Material:	LDPE
Colour:	Blue
Weight:	43 g
Outer Packaging:	50/250
Art:	**210.0032B**

DISPOSABLE APRONS

LDPE, 40 microns, 160 cm.

- Perforated tear line and holes for hanging.
- Thickness: 40 microns.
- 100% virgin PE.
- Suitable for direct contact with all types of foodstuffs.

Also available in 90x150 cm (art. 210.0032).

Sizes:	One size
Material:	LDPE
Colour:	White
Weight:	45 g
Outer Packaging:	50/250
Art:	**210.0033**

DISPOSABLE APRONS

LDPE, 40 microns, 160 cm.

- Perforated tear line and holes for hanging.
- Thickness: 40 microns.
- 100% virgin PE.
- Suitable for direct contact with all types of foodstuffs.

Also available in 90x150 cm (art. 210.0032B)

Sizes:	One size
Material:	LDPE
Colour:	Blue
Weight:	45 g
Outer Packaging:	50/250
Art:	**210.0033B**

DISPOSABLE APRONS

LDPE, 40 microns, 130 cm.

- Perforated tear line and holes for hanging.
- Thickness: 40 microns.
- 100% virgin PE.
- Suitable for direct contact with all types of foodstuffs.

Sizes:	One size
Material:	LDPE
Colour:	White
Weight:	38 g
Outer Packaging:	50/250
Art:	**210.0034**

DISPOSABLE APRONS

LDPE, 40 microns, 130 cm.

- Perforated tear line and holes for hanging.
- Thickness: 40 microns.
- 100% virgin PE.
- Suitable for direct contact with all types of foodstuffs.

Sizes:	One size
Material:	LDPE
Colour:	Blue
Weight:	38 g
Outer Packaging:	50/250
Art:	**210.0034B**

SNOOD CAPS

With non-woven polypropylene visor.

- Comfortable and hygienic.
- Made of soft polypropylene fibre.
- Elastic hairnet covers the hair 100%.
- Approved to be used in contact with food.

Sizes:	One size
Material:	Non-woven polypropylene
Colour:	White
Weight:	10 g
Outer Packaging:	100/1000
Art:	**210.0040**

SNOOD CAPS

With non-woven polypropylene visor.

- Comfortable and hygienic.
- Made of soft polypropylene fibre.
- Elastic hairnet covers the hair 100%.
- Approved to be used in contact with food.

Sizes:	One size
Material:	Non-woven polypropylene
Colour:	Blue
Weight:	10 g
Outer Packaging:	100/1000
Art:	**210.0040B**

MOB CAPS

With elastic edge.

- Comfortable and hygienic.
- Made of soft polypropylene fibre with an encapsulated elastic edge.
- Elastic hairnet covers the hair 100%.
- Double elastic for extra comfort (latex-free).
- Approved to be used in contact with food.

Sizes:	One size
Material:	Non-woven polypropylene
Colour:	White
Weight:	3 g
Outer Packaging:	100/1000
Art:	**210.0045**

MOB CAPS

With elastic edge.

- Comfortable and hygienic.
- Made of soft polypropylene fibre with an encapsulated elastic edge.
- Elastic hairnet covers the hair 100%.
- Double elastic for extra comfort (latex-free).
- Approved to be used in contact with food.

Sizes:	One size
Material:	Non-woven polypropylene
Colour:	Blue
Weight:	3 g
Outer Packaging:	100/1000
Art:	**210.0045B**

SHOE COVERS, STANDARD

CPE shoe cover 16" (shoe size: 38,5-45,5).

- Thickness: 36 microns.
- Weight: 4.4 g/pc.
- Approved to be used in direct contact with all types of food.

Sizes:	One size
Material:	CPE
Colour:	Blue
Weight:	4.4 g
Outer Packaging:	100/2000
Art:	**210.0060**

SHOE COVERS, STANDARD

CPE shoe cover 16" (shoe size: 38,5-45,5).

- Thickness: 33 microns.
- Weight: 4.2 g/pc.
- Approved to be used in direct contact with all types of food.

Sizes:	One size
Material:	CPE
Colour:	Blue
Weight:	4.2 g
Outer Packaging:	100/2000
Art:	**210.0060S**

SHOE COVERS, STANDARD

CPE shoe cover 18" (shoe size: 40–47,5).

- Thickness: 36 microns.
- Weight: 4.8 g/pc.
- Approved to be used in direct contact with all types of food.

Sizes:	One size
Material:	CPE
Colour:	Blue
Weight:	4,8 g
Outer Packaging:	100/2000
Art:	**210.0061**

SHOE COVERS, DOUBLE THICKNESS

CPE plastic, 16" (shoe size: 38,5-45,5).

- Thickness: 65 microns.
- Weight: 8 g/pc.
- Approved to be used in contact with food.

Sizes:	One size
Material:	CPE
Colour:	White
Weight:	8,0 g
Outer Packaging:	50/1000
Art:	**210.0062**

BOOT COVERS

CPE plastic, 16".

- Thickness: 65 microns.
- Approved to be used in contact with food.

Sizes:	One size
Material:	CPE
Colour:	White
Weight:	31 g
Outer Packaging:	20/500
Art:	**210.0063**

SLEEVE COVERS

Polyethylene, 46 cm, 16 microns.

- Flexible.
- Elastic opening and wristband.
- Approved to be used in direct contact with all types of food.

Sizes:	One size (46 cm)
Material:	LDPE
Colour:	White
Weight:	3 g
Outer Packaging:	100/1000
Art:	**210.0073**

SLEEVE COVERS

Polyethylene, 46 cm, 16 microns.

- Flexible.
- Elastic opening and wristband.
- Approved to be used in direct contact with all types of food.

Sizes:	One size (46 cm)
Material:	LDPE
Colour:	Blue
Weight:	3 g
Outer Packaging:	100/1000
Art:	**210.0073B**

SLEEVE COVERS

Polyethylene, 60 cm, 25 microns.

- Elastic opening and wristband.
- Approved to be used in direct contact with all types of food.

Sizes:	One size (60 cm)
Material:	LDPE
Colour:	Blue
Weight:	5,2 g
Outer Packaging:	100/1000
Art:	**210.0074B**

DISPOSABLE GOWNS

CPE plastic.

- Elasticated wrists.
- Thickness: 30 microns.
- Length: 150 cm.
- Approved to be used in direct contact with all types of food.

Sizes:	One size
Material:	CPE
Colour:	Blue
Weight:	80 g
Outer Packaging:	15/75
Art:	**210.0085**

VISITOR'S COATS

Non-woven polypropylene, knee length.

- Comfortable design allowing great freedom of movement.
- Elastic cuffs maximise fit.
- Made of non-woven polypropylene material with front popper fastenings.
- Approved to be used in contact with food.

Sizes:	One size
Material:	Non-woven polypropylene
Colour:	White
Weight:	
Outer Packaging:	1/100
Art:	**210.0090**

DISPOSABLE COVERALL

Non-woven polypropylene.

- Coverall protects the wearer's clothing.
- Breathable material reduces the risk of irritation from heat.
- Comfortable design allowing great freedom of movement.
- Elastic cuffs, ankles and waist maximises fit and safety.
- Approved to be used in contact with food.

Suitable for: Office cleaning | Goods handling | Light duties.

Sizes:	L | XL | XXL | XXXL
Material:	Non-woven polypropylene
Colour:	White
Weight:	
Outer Packaging:	1/40
Art:	**210.0095**

DISPOSABLE RESPIRATOR FFP2 NR D WITH VALVE

Adjustable nose bridge. CE Cat. III.

- Single use product (NR).
- Meets the clogging resistance requirements (D).
- Ultra-light and maintenance-free.
- Easy to apply and comfortable to wear.
- Adjustable nosepiece and soft foam gasket.
- Conforms to EN 149:2001+A1:2009.

Sizes:	One size
Material:	Polypropylen
Colour:	White
Weight:	
Outer Packaging:	10/200
Art:	**210.1012**

SHOE COVERS

Pre-bundled for use in shoe cover dispensers.

- Bundles of 110 shoe covers for shoe cover dispensers (art. 904.2000).
- Thickness: 35 microns.
- Approved to be used in direct contact with all types of food.

Sizes:	One size
Material:	CPE
Colour:	Blue
Weight:	
Outer Packaging:	1/1650
Art:	**904.2010**

THERE ARE TWO FORMS OF CONTACT DERMATITIS

1. NON-ALLERGIC CONTACT DERMATITIS

A non-allergic reaction is the most common form of eczema, and occurs after repeated exposure to physical and chemical factors that irritate the skin and gradually damage the skin barrier. The most common cause is actually soap and water.

2. ALLERGIC CONTACT DERMATITIS

An allergic reaction occurs after exposure to specific chemical substances. It can be anything from perfume to preservatives.

Groups that are particularly prone to developing both non-allergic and allergic contact dermatitis include health professionals, hairdressers, cleaning staff, food production workers and others who often wear gloves at work and who have a ”wet job”.

The definition of wet work is that the hands are wet for more than 2 hours during a working day, frequent hand washing (more than 20 times per day), or wearing tight-fitting gloves for more than 2 hours a day.

HOW TO PREVENT CONTACT ECZEMA

- **DRY WELL BETWEEN THE FINGERS**
  Moisture between the fingers increases the irritation and can damage the skin.

- **AVOID RINGS**
  Soap residues, chemicals and moisture can accumulate under rings and irritate the skin. When the hands are also in gloves where it gets hot and humid, the risk of the skin reacting increases.
  It has been proven that large amounts of bacteria accumulate under rings due to heat and moisture in gloves.

- **KEEP THE SKIN SOFT**
  Lubricate your hands with cream at regular intervals when the skin is dry. Frequent hand washing dries out the skin, and cracked and dry skin reacts more easily to irritants.

- **WEAR LONG GLOVES THAT CLOSE CLOSELY AROUND THE WRIST**
  If there is risk of water, detergent, shampoo, conditioner, chemicals, etc. can enter the glove via the wrist and intensify contact with irritants and potential allergens, you should wear extra long gloves.

- **WEAR GLOVES WITHOUT ACCELERATORS**
  Wear gloves that have been evaluated and recommended by the Norwegian Asthma and Allergy Association (NAAF).

- **WEAR LINER GLOVES**
  Make sure to wash your hands after wearing gloves to remove any chemical residue from the gloves. Use a liner glove if you already have eczema – to avoid allergic contact dermatitis from the rubber accelerators.

When the skin is no longer whole and soft, allergens can more easily penetrate cracks and wounds in the skin, and you therefore have a higher risk of developing allergic contact dermatitis.

110.0155 / 110.0160
BAMBOO ECZEMA GLOVES FOR CHILDREN AND ADULTS

Skin-friendly gloves in bamboo viscose fiber, which retain their good properties wash after wash.

Read more on page 77.

RECOMMENDED BY
THE NORWEGIAN ASTHMA AND ALLERGY ASSOCIATION

OTHER GRANBERG PRODUCTS

GLOVE CLIP, PINCH CLASP

- Features patented safety breakaway design.
- Attaches to belt loops or clothing.
- Non-conductive and non-corrosive.

GranberG®	
Standards:	
Category:	CE
Sizes:	
Material:	Plastic
Lining:	
Colour:	Blue
Thickness:	
Length:	
Weight:	
Packaging:	Piece
Art:	**004.0020**

GLOVE CLIP, BELT CLASP

- Features patented safety breakaway design.
- Attaches to belt.
- Non-conductive and non-corrosive.

GranberG®	
Standards:	
Category:	CE
Sizes:	
Material:	Plastic
Lining:	
Colour:	Blue
Thickness:	
Length:	
Weight:	
Packaging:	Piece
Art:	**004.0021**

SOCKS

Norwegian wool.

- 78% wool, 20% polyamide, 2% Lycra.
- Normal length.

GranberG®	
Standards:	
Category:	
Sizes:	37-40 | 40-43 | 44-47
Material:	Wool/Polyamide/Lycra®
Lining:	
Colour:	Grey
Thickness:	
Length:	
Weight:	21 g
Packaging:	Pair (120)
Art:	**211.630**

GLOVE DISPENSERS

Made of high-grade plexiglass.

- High-grade plexiglass dispenser for Granberg disposable gloves.
- Screws for wall mounting are included.
- 25.3 cm long, 13.6 cm high and 9.2 cm deep.

Suitable for: Art. 111.220, 111.225, 111.325, 111.420, 112.110, 114.440, 114.610, 114.611, 114.615, 114.624, 114.630, 114.770, 114.880, 114.922, 114.940, 114.980.

GranberG®

Standards:	
Category:	CE
Sizes:	One size
Material:	Plexiglass
Lining:	
Colour:	Transparent
Thickness:	
Length:	
Weight:	360 g
Outer Packaging:	1/2
Art:	**904.1000**

GLOVE DISPENSERS

Made of high-grade plexiglass.

- High-grade plexiglass dispenser for Granberg disposable gloves.
- Screws for wall mounting are included.
- 25 cm long, 13 cm high and 10 cm deep.

Suitable for: Art. 114.624, 114.626,

GranberG®

Standards:	
Category:	CE
Sizes:	One size
Material:	Plexiglass
Lining:	
Colour:	Transparent
Thickness:	
Length:	
Weight:	370 g
Outer Packaging:	1/2
Art:	**904.1300**

GLOVE DISPENSERS

Made of high-grade plexiglass.

- High-grade plexiglass dispenser for Granberg disposable gloves.
- Screws for wall mounting are included.
- 26.5 cm long, 14.5 cm high and 6 cm deep.

Suitable for: Art. 111.0092.

GranberG®

Standards:	
Category:	CE
Sizes:	One size
Material:	Plexiglass
Lining:	
Colour:	Transparent
Thickness:	
Length:	
Weight:	340 g
Outer Packaging:	1/2
Art:	**904.1400**

GLOVE DISPENSERS

Made of high-grade plexiglass.

- High-grade plexiglass dispenser for Granberg disposable gloves.
- Screws for wall mounting are included.
- 22 cm long, 13.4 cm high, and 6.5 cm deep.

Suitable for: Art. 114.616, 114.620, 114.621, 114.622, 114.628, 114.631.

GranberG®

Standards:	
Category:	CE
Sizes:	One size
Material:	Plexiglass
Lining:	
Colour:	Transparent
Thickness:	
Length:	
Weight:	260 g
Outer Packaging:	1/2
Art:	**904.1500**

SHOE COVER DISPENSER

Simple mechanical design. No power needed.

Shoe covers are automatically applied, with no need for the user to bend down. A bundle of 110 shoe covers can be quickly and easily loaded into the dispenser.

With no need for electrical power, the shoe cover dispenser can be placed anywhere. The internal mechanical design is so simple it cannot be damaged.

Makes cleaning easier and less costly.

Suitable for: Hospitals | Oil rigs | Factories | Laboratories | Offices | Computer rooms, etc.

GranberG®	
Standards:	
Category:	
Sizes:	One size
Material:	Plastic
Lining:	
Colour:	White
Thickness:	
Length:	
Weight:	10 kg
Outer Packaging:	Piece (1)
Art:	**904.2000**

SHOE COVERS

Pre-bundled for use in shoe cover dispensers.

- Bundles of 110 shoe covers for shoe cover dispensers (art. 904.2000).
- Thickness: 35 microns.
- Approved to be used in direct contact with all types of food.

GranberG®	
Standards:	EN 1186
Category:	
Sizes:	One size
Material:	CPE
Lining:	
Colour:	Blue
Thickness:	
Length:	
Weight:	
Outer Packaging:	1/1650
Art:	**904.2010**

STANDARDS AND MARKINGS

European standards have been created to unify national provisions on personal protective equipment among member states.
Council Directive 89/391/EEC establishes broad guidelines for health and safety in the workplace and requires employers to make necessary protective equipment available to their employees.

The directive also entails strict requirements for suppliers of personal protective equipment (PPE). These requirements are now internationally recognized and are helping employers choose the correct protective equipment, including protective gloves.

CATEGORIES

Protective gloves are divided into three categories according to the degree of risk they are protecting against, to be able to adapt the procedures for assessment and quality assurance for gloves in an appropriate way to different protection requirements:

Category I : For minimal risks.
Category II : For medium risks (i.e. not belonging to category I or III).
Category III : High risk, i.e. risk that can cause permanent damage or lead to death, e.g. damage from chemicals.

A declaration of conformity is required for all categories.

EN ISO 21420:2020

PROTECTIVE GLOVES – GENERAL REQUIREMENTS AND TEST METHODS

EN ISO 21420:2020 has replaced EN 420:2003 + A1:2009 and has been approved by ISO to become a global standard. This is the new general requirement standard applicable and required for all protective gloves.

EN ISO 21420 puts significant emphasis on the materials used not being harmful to health. Chemical harmlessness helps ensure that protective gloves do not have harmful effects on the user's health or hygiene. The most important new requirements are:

New limit for DMFa (dimethylformamide) which applies to all materials containing polyurethane (PU). The limit must not exceed 1,000 mg/kg (1% weight/weight).

Limited content of Polycyclic Aromatic Hydrocarbons (PAH) which is relevant for rubber and plastic in direct contact with the skin.
Limit: less than 1 mg/kg of each of the eight restricted PAH substances.

Azo dyes – relevant for textiles and coloured leather that release carcinogenic amines. The limit must not exceed 30 mg/kg for each of the aromatic amines.

Nickel emissions - for all metal components in long-term skin contact, must be less than 0.5 µg/cm²/week.

EN ISO 21420 does not specify a minimum for glove length, except for specific standards such as welding which requires a minimum length.

The labelling requirements for electrostatic properties are changed in EN ISO 21420:2020:

In the ATEX area, the electrostatic properties must be tested in accordance with EN 16350 (test method EN 1149-2), the pictogram can be used for gloves that meet the requirements of EN 16350.

For other electrostatic properties, test method EN 1149-3 can be used, but without any pictogram.

EN ISO 21420:2020 adds mandatory requirements for marking PPE gloves with the date of manufacture for better traceability and if applicable, a best-before date with the associated pictogram of an hourglass.

Certificates issued in accordance with EN 420:2003 + A1:2009 remain valid until their expiry date.

The requirements for protective gloves are as follows:

DESIGN AND CONSTRUCTION

The gloves must provide the best possible protection for the work they are intended for.

PRODUCT SAFETY

The gloves must not in themselves pose a danger to the user, for example due to the content of the materials.
The gloves' pH value must be between 3.5 and 9.5.
The chromium content (chromium VI) must be less than 3 mg/kg leather.
Latex gloves must be tested for protein content in accordance with the EN 455-3 standard. Gloves manufactured to reduce the risk of electrostatic discharge must be tested for electrostatic properties according to the EN 1149 standard.

FINGER DEXTERITY

The gloves must allow the best possible finger dexterity in relation to the protection they provide, measured by the smallest diameter of a needle that can be picked up while wearing a glove, 3 times in 30 seconds.

Performance is graded as per table below:

PERFORMANCE LEVEL	1	2	3	4	5
SMALLEST DIAMETER (MM)	11	9,5	8	6,5	5

COMFORT

Sizing as per table below:

		THE HANDS	
EN 21420	EQUALS	CIRCUMFERENCE (MM)	LENGTH (MM)
4	3XS	101	< 160
5	XXS	127	< 160
6	XS	152	160
7	S	178	171
8	M	203	182
9	L	229	192
10	XL	254	204
11	XXL	279	215
12	3XL	304	> 215
13	4XL	329	> 215

General requirements for instruction of use must include:

- Name and address of the manufacturer or representative.
- Glove designation.
- Available size range.
- CE mark.
- Care and storage instructions.
- Instructions and limitations of use.
- Name and address of notified body that certified the product.

EN 388:2016

PROTECTIVE GLOVES AGAINST MECHANICAL RISKS

The European Standard EN 388:2016 deals with requirements for safety gloves protecting against mechanical risks. This covers abrasion, blade cut, puncture, tearing, and impact.

The EN 388:2016 standard is a revised and updated version of EN 388:2003. In certain circumstances, this new EN 388 standard requires more extensive testing than EN 388:2003. It also rectifies issues caused by problems with the supply of crucial equipment for the abrasion resistance test. Other changes include some additional requirements for the user instructions.

EN 388:2016 provides customers with more information and a more accurate picture of glove properties. This can then be of significant help in the crucial task of making the correct choice of hand protection for their needs.

If a glove model does not achieve at least level 1 or A for at least one protective category, the EN 388:2016 pictogram cannot be used.

For gloves to be certified under EN 388, they must also comply with the EN 420 standard on general requirements for protective gloves.

PICTOGRAM AND TEST METHODS

ABCDEF

- A Abrasion resistance
- B Circular blade cut resistance
- C Tear resistance
- D Puncture resistance
- E Straight blade cut resistance
- F Impact protection

A Abrasion resistance

The assessment of abrasion resistance is based on the number of abrasion cycles it takes for a particular type of sandpaper to abrade through the glove material.

Test specimens are cut from the palm of the relevant glove model. Each material specimen is fixed onto a holder, which rubs it against sandpaper of a defined type and quality. This is done under constant pressure and in a pattern consisting of several elliptical movements. One cycle consists of one completed elliptical movement. The number of cycles needed to abrade a hole in the test specimen forms the basis for evaluating the abrasion resistance of the material.

A sufficient number of such tests are carried out to make it possible to identify, according to the requirements of the standard, the final test result, which is used to classify the abrasion resistance of the glove model.

B Circular-blade cut resistance

In this test, the cut resistance assessment is based on how many rotations it takes to cut through the glove material with a rotating circular blade under a fixed load. It is also known as the coupe test.

Test specimens are cut from the palm of the relevant glove model. The circular blade tracks back and forth in a straight line over a fixed distance from the surface of the material. It is exposed to a constant force of 5 newtons (N) from above. As the blade is being drawn over the material in one direction, it rotates in the opposite direction, and each pass over the material in one direction corresponds to one rotation of the blade around its axis. The number of rotations needed for the blade to cut through the material is recorded.

Before and after each such test on the glove material, the same test is performed on a reference cotton material. Cut resistance is then calculated in the form of an index value. This is a function of the result of the test on the test specimen and the average value of the results from the two tests on the reference material.

A sufficient number of such test sequences is carried out to make it possible to identify, according to the requirements of the standard, the final test result. This cut index is used to classify the glove models' cut resistance in accordance with the coupe test.

Highly cut-resistant and abrasion-resistant materials often blunt the blade during the relatively lengthy use it is exposed to in the coupe test. The results may then be inaccurate.

EN 388:2016 introduces criteria to determine if the material dulls the blade beyond a certain tolerance level during the coupe test, and it furthermore limits the test to a maximum of 60 rotations.

If the blade becomes dull, it is obligatory to perform the test in EN ISO 13997 (the TDM test), and the result from this test becomes the reference for the cut resistance of the glove model.
In this case, an X may be recorded instead of the coupe results. Alternatively, the coupe test may still be performed, and both this and the TDM result recorded in their respective spots, but the coupe result is then only indicative.

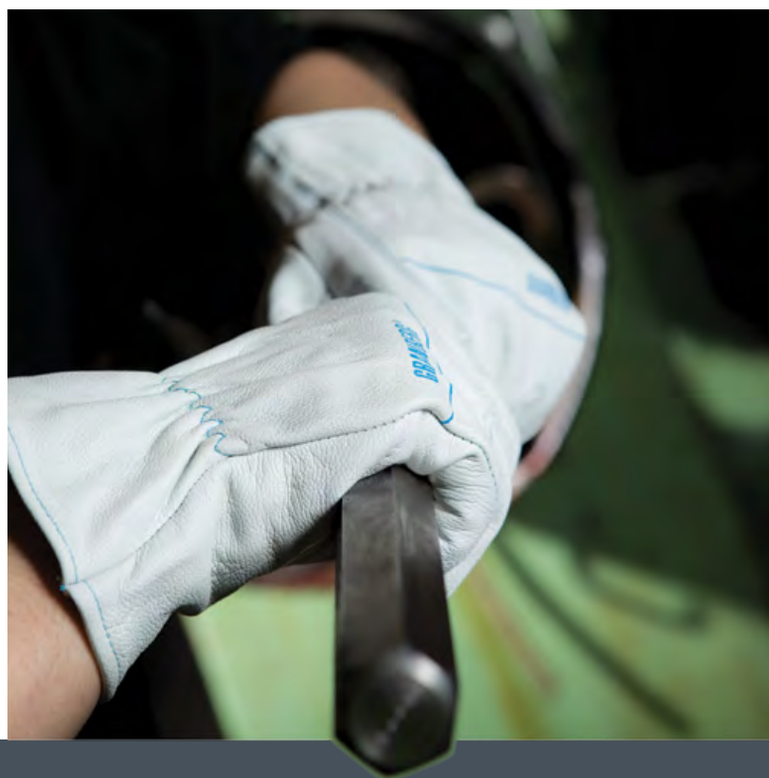
It is important to note that even when it is not obligatory, it is still possible to have the TDM test performed and record the result under the pictogram. It is also possible to have only the TDM test done.

C Tear resistance

Assessment of tear resistance is based on the amount of force it takes to tear a material specimen with an initial starting slit in it.

Material specimens are cut from the palm of the relevant glove model. In each specimen, a slit of a certain length is made from one end so that it separates two sections along the length of the slit, somewhat like trouser legs. The end of either "leg" is clamped in a separate jaw. The two jaws then move apart at a constant speed until the specimen is torn completely. The force required for this is measured in newtons (N).

A sufficient number of such tests is carried out to make it possible to identify, according to the requirements of the standard, the final test result, which is used to classify the tear resistance of the glove model.



D Puncture resistance

The assessment of puncture resistance is based on the amount of force it takes to penetrate the glove material with a certain kind of pencil-like steel stylus with a rounded tip.
It is very important to note that this test does not give any indication of the resistance of the material to penetration by sharply pointed objects such as hypodermic needles.

Material specimens are cut from the palm of the relevant glove model. A test specimen is fixed on a retaining device. A rounded steel stylus of specified dimensions is then mechanically pushed through the material at a constant speed of 100mm/min. The force it takes for the stylus to penetrate completely through the test specimen is measured in newtons (N).

A sufficient number of such tests is carried out to make it possible to identify, according to the requirements of the standard, the final test result, which is used to classify the puncture resistance of the glove model.

E Straight-blade cut resistance, EN ISO 13997

This method simulates a cut resulting from an accidental, relatively powerful contact with a sharp- edged object. The assessment of cut resistance is here based on the force it takes for a straight blade of specified dimensions to just cut through a material after a blade movement of 20 mm. This force is measured in newton (N).

With the 2016 version, this test for cut resistance according to EN ISO 13997 is for the first time fully included in the EN 388 standard. It is also called the TDM test. This test is obligatory in those cases where the glove material dulls the blade beyond a certain tolerance level during the coupe test, and the TDM result then becomes the reference for the cut resistance of the glove model.

There are now many glove models on the market that are made of the kind of highly cut-resistant and abrasive materials which under EN 388:2016 must be tested according to EN ISO 13997. This is often the case with materials with fibres of glass or steel.

Test specimens are cut from the palm of the relevant glove model, and each in turn mounted on a slightly curved surface. This method involves a number of cuts that are each achieved with a single, relatively short blade stroke in one direction only and over an unused part of the material.

It is important that each cut must be achieved with an unused part of the cutting edge. Consequently, no part of the blade can be drawn over the material more than once. This can in practice means that each blade is only used once and then replaced with a new blade for the next cut to make sure this does not happen. Blunting of the blade is thus not a significant factor.

A complex process eventually makes it possible to identify with sufficient accuracy the force needed for the blade to cut through the sample material after travelling 20 mm (with a certainly permitted divergence on either side in the length of the movement of the blade before it cuts through).

The final test result is determined according to the requirements of the standard. This force is used to classify the straight-blade cut resistance of the glove model.

The performance levels, also known as cut levels, range from A to F, with level F as the highest.

Even when not obligatory, the TDM test may be performed, and the result is then also recorded under the pictogram. It is also possible to have only the TDM test done.

It is important to note that there is no correlation between the results achieved in the coupe test and those achieved in the TDM test.

F Impact Protection

EN 388:2016 introduces a test to assess the impact protection of gloves that have such protection added to one or several applicable parts, for instance, the knuckle area of the back of the hand (i.e., the knuckles at the base of the fingers).

The test is performed in accordance with clause 6.9 of EN 13594:2015, which is a standard for protective gloves for motorcycle riders.
It is optional, but impact protection may not be claimed for glove models certified under EN 388:2016 unless this test has been carried out and passed for each area of the glove for which such impact protection is claimed. Due to the limited dimensions of glove fingers, the fingers cannot be tested according to this method.
The user instructions must state the parts of the glove for which impact protection is claimed and highlight that this protection does not apply to the fingers.

Sample gloves of the relevant model are cut so that the gloves may be opened, and the relevant area tested on its own. A 2.5kg flat-face striker impacts the test area from a sufficient height to create impact energy of 5J. The performance of the area is based on the force transmitted through the material. This force is measured in kilonewton (kN).

A sufficient number of tests is conducted to identify, according to the requirements of the standard, the final test result. This can either be a pass or a fail. Each of the areas for which impact protection is claimed must achieve the minimum requirements for level 1: The average transmitted force must not be higher than 7 kN, and no individual result may have a value of more than 9 kN.

If the glove model passes the test, a P may be recorded in the sixth spot under the EN 388:2016 pictogram.

PROTECTION LEVEL	1	2	3	4	5
A Abrasion resistance (no. of cycles)	100	500	2000	8000	—
B Circular-blade cut resistance (index)	1.2	2.5	5.0	10.0	20.0
C Tear resistance (N)	10	25	50	75	—
D Puncture resistance (N)	20	60	100	150	—

PROTECTION LEVEL	A	B	C	D	E	F
E Straight blade cut resistance (N) (EN ISO 13997)	2	5	10	15	22	30

PROTECTION LEVEL	P
F Impact protection (kN)	Min. level 1 (average ≤7 kN, each individual result ≤9 kN)

EN ISO 374:2016

PROTECTIVE GLOVES AGAINST DANGEROUS CHEMICALS AND MICROORGANISMS

The new suite of EN 374 standards contains updated requirements and tests for gloves intended to protect users against chemicals and/or microorganisms. We refer to this updated group of standards as EN ISO 374:2016. It provides customers with more information on some aspects of the protective qualities of gloves in this category.

It consists of five parts (each a standard):

1. Terminology and performance requirements for chemical risks. (EN ISO 374-1:2016 + A1:2018).
2. Resistance to penetration. (EN 374-2:2014).
3. Resistance to molecular penetration of liquid chemicals (permeation). (Test standard EN 16523-1:2015 + A1:2018).
4. Resistance to degradation by chemicals (degradation). (Test standard EN 374-4:2013).
5. Protection against micro-organism risks – terminology and performance requirements (EN ISO 374-5:2016).

PART 1: TERMINOLOGY AND PERFORMANCE REQUIREMENTS FOR CHEMICAL RISKS

EN ISO 374-1:2016 concerns gloves intended to protect users against chemical risks. It specifies performance requirements and the terminology and markings to be used, as well as information, warnings and instructions that must be included in the user instructions. We refer to some of these under the relevant test standards.

The standard no longer requires testing according to EN 388, but the gloves must fulfil the general requirements for protective gloves in EN 420.

PART 2: RESISTANCE TO PENETRATION

Liquid or air can penetrate a protective glove at a non-molecular level by passing through pores, seams, pinholes, or other imperfections in the material. EN 374-2:2014 contains two tests for resistance to such penetration.

The air-leak test: The glove is immersed in water up to a certain point and filled with air. Any leaks are identified by observing visible bubbles.

The water-leak test: The glove is filled with water; leaks are identified by water drops appearing on the outer surface.

A number of randomly selected samples from each production batch is tested for penetration. Each batch must fulfil certain minimum requirements for acceptable quality limits (AQL). A customer may agree to an AQL with the manufacturer so long as this fulfils or exceeds the minimum requirements.

PART 3: RESISTANCE TO PERMEATION BY LIQUID CHEMICALS

A new standard, EN 16523-1:2015 + A1:2018, replaces EN 374-3:2003, the old standard for permeation testing.

Chemicals can move through materials on a molecular level. Molecules are absorbed into the material, spread inside the material by means of an effect known as diffusion, and eventually break through on the other side. This process is called permeation. We also use the term molecular penetration. This can occur without the wearer noticing any physical changes in the glove material. The glove may seem unaffected even though it no longer offers adequate protection.

The time that elapses from the moment the chemical first comes into contact with the outer surface of the glove material until it breaks through on the other side is called breakthrough time.

In the laboratory, permeation is measured by a somewhat complicated parameter called permeation rate. This represents the mass of the chemical, measured in micrograms (µg), that moves through a square centimetre of the material in one minute.

Identifying the minimum detectable permeation rate is highly dependent on the sensitivity of the particular analytical equipment to the particular chemical in question. This makes a data comparison based on such a rate very difficult. What the standard defines is what we call a normalized permeation rate. The *normalized permeation rate* for EN 16523-1:2015 is 1 µg per cm^2 per minute.

The time it takes from when the chemical first comes into contact with the outside surface of the material until this normalized permeation rate is reached is called *normalized breakthrough time*. It is this normalized breakthrough time that is identified in this test.

Test specimens are cut from the palm of the relevant glove model. If the gloves are 400 mm or longer and the manufacturer also wishes to claim that the cuff protects against the relevant chemical, samples from the cuff must also be tested.

A specimen is placed in a test cell, and the outside surface of the material is exposed to the chemical in question. A collection medium in the form of a gas or a liquid circulates in contact with the inside surface of the material. This is monitored and analysed until the normalized permeation rate is reached.

A sufficient number of these tests is performed to make it possible to identify, according to the requirements of the standard, the final test result. This determines which performance level the glove model achieves for this chemical.

PERFORMANCE LEVEL	1	2	3	4	5	6
MEASURED (NORMALIZED) BREAKTHROUGH TIME (Min)	≥ 10	≥ 30	≥ 60	≥ 120	≥ 240	≥ 480

***WARNING**: The tests are performed according to the standard, and the results are reported based on the normalized breakthrough times achieved under very specific test conditions.*

The stated performance for each chemical relates solely to the relevant individual chemical. The result can be very different for chemical mixtures even if they only consist of chemicals that have all been tested individually.

It is very important to take into account that actual real-life work situations are very different from the controlled environment and conditions of the tests. Factors such as temperatures, stretching, abrasion, degradation, etc. have a significant influence on how fast the chemical permeates through the material.

It is the responsibility of employers/users to assess the test data and determine how long the gloves may be used for any given task and in any given situation.

The chemical may continue to work through the glove even after a brief, interrupted initial contact. The time it takes a chemical to reach the inside of a glove should therefore be considered to start from the moment the outside surface of the material first comes into contact with the chemical, regardless of whether the glove is in further contact with the chemical or not and whether the glove is being used or not.

EN ISO 374-1:2016 defines a list of 18 chemicals (6 more than EN 374:2003):

	CHEMICAL	CAS #	CLASS
A	Methanol	67-56-1	Primary alcohol
B	Acetone	67-64-1	Ketone
C	Acetonitrile	75-05-8	Nitrile compound
D	Dichloromethane	75-09-2	Chlorinated hydrocarbon
E	Carbon disulfide	75-15-0	Sulphur-containing organic compound
F	Toluene	108-88-3	Aromatic hydrocarbon
G	Diethylamine	109-89-7	Amine
H	Tetrahydrofuran	109-99-9	Heterocyclic and ether compound
I	Ethyl acetate	141-78-6	Ester
J	n-heptane	142-82-5	Saturated hydrocarbon
K	40% Sodium hydroxide	1310-73-2	Inorganic base
L	96% Sulphuric acid	7664-93-9	Inorganic mineral acid, oxidizing
M	65% nitric acid	7697-37-2	Inorganic mineral acid, oxidizing
N	99% acetic acid	64-19-7	Organic acid
O	25% ammonium hydroxide	1336-21-6	Organic base
P	30% hydrogen peroxide	7722-84-1	Peroxide
S	40% hydrofluoric acid	7664-39-3	Inorganic mineral acid
T	37% formaldehyde	50-00-0	Aldehyde

EN ISO 374-1:2016 divides protective gloves against chemical risks into three different categories based on the results of permeation resistance testing according to EN 16523-1:2016 with regard to chemicals from the list: Type A, B and C.

Manufacturers can choose how many and which of the listed chemicals a glove model is tested against, depending on which chemicals they want to claim the gloves provide protection against.

For a glove model to be certified under EN ISO 374-1:2016, it must undergo this testing and achieve a protection level which at a minimum satisfies the requirements for type C.

Type A – Minimum 6 chemicals must reach at least level 2 performance.
Type B – Minimum 3 chemicals must reach at least level 2 performance.
Type C – Minimum 1 chemical must reach at least level 1 performance.

As a minimum, the code letters of the required number of relevant list chemicals for the type in question must be listed below the pictogram for EN ISO 374-1:2016.

The gloves can also be tested against chemicals that are not on the list, as well as mixtures, and these results can be entered in the user guide in addition to the results for listed chemicals.

PART 4: RESISTANCE TO DEGRADATION BY CHEMICALS

Degradation is a detrimental change for the worse in one or more of the physical properties of a material.

EN 374-4:2013 contains a test method for degradation resistance which is mandatory under EN ISO 374-1:2016. The principle of this test is to measure whether there has been a change in the puncture resistance of a glove material after its external surface has been exposed to continuous contact with a particular chemical. This degradation testing was not required under the previous EN 374 standard.

In order for a glove model to be certified under EN ISO 374-1:2016, both the test for resistance to molecular penetration and the test for resistance to degradation must be carried out for each of the listed chemicals listed in the labelling. There are no minimum requirements for the results of the resistance to degradation test, but the results for the chemicals listed in the labelling must be provided in the user instructions.

A number of test specimens are cut from gloves of the relevant model. Tests for puncture resistance are performed on both unexposed specimens and specimens that have been exposed to the chemical in question for a certain length of time. The result is based on the average difference between the force needed to puncture the exposed material and the force required to puncture the unexposed material. This difference is reported as a percentage.

PART 5: TERMINOLOGY AND PERFORMANCE REQUIREMENTS FOR MICROORGANISM RISKS

EN ISO 374-5:2016 concerns gloves intended to protect users against microorganisms. The standard specifies performance requirements and the terminology and markings to be used, as well as some information, warnings and instructions required. The gloves must also comply with the general requirements for protective gloves - EN 420.

The previous EN 374 standard only assessed protection against bacteria and fungi, while EN ISO 374-5:2016 also deals with viruses. The new standard has two categories for classification of protection against microorganisms:

- Protection against bacteria and fungi.
- Protection against bacteria, fungi and viruses.

For a glove model to be certified under EN ISO 374-5:2016 for protection against bacteria and fungi, it must pass testing according to EN 374-2:2014 for resistance against penetration.

For an additional claim of protection against viruses, the gloves must also meet the requirements for resistance to penetration of test standard ISO 16604:2004, procedure B. This test standard was reviewed and confirmed in 2014.

EN 407:2020

PROTECTIVE GLOVES AND OTHER HAND PROTECTION EQUIPMENT AGAINST THERMAL RISKS

This standard specifies thermal performance for protective gloves against heat and/or fire.

The European standard EN 407:2020 is a revised and updated version of EN 407:2003. One of the reasons for the update was to include gloves for home use (oven gloves, etc.) in the regulation for personal protective equipment (PPE).

The revised version of the standard shows a new complementary pictogram that is used instead of the previous pictogram when flame protection is not present.

The limited flame spread icon is used when the flame spread protection level is 0 or X (not tested). The purpose of introducing this new pictogram is to make it easier for the user to choose the correct hand protection for their needs with regards to heat and/or fire protection. For gloves with limited flame protection, lowest level 1, the previous pictogram is used.

The six performance levels that follow both current pictograms remain as in the previous standard. In the new standard, the requirement for wear testing according to EN 388 was removed and only the requirement for tear resistance has been retained.
This means that gloves with EN 407:2020 must achieve at least performance level 1 for EN 388 tear resistance. They must also comply with the European standard EN 21420:2020.

The 2020 version of the standard contains minimum length requirements for gloves that are stated to have protection against splashes from small and large amounts of molten metal.

To achieve performance level 3 or 4 for thermal properties, the limited flame spread test must reach a minimum of level 3. If this requirement is not met, the glove can only reach a maximum of level 2.

ABCDEF

- A Burning behaviour (X, 0–4)
- B Contact heat resistance (X, 0–4)
- C Convective heat resistance (X, 0–4)
- D Radiant heat resistance (X, 0–4)
- E Resistance to small splashes of molten metal (X, 0–4)
- F Resistance to large splashes of molten metal (X, 0–4)

X means that the particular test has not been performed for the model in question. A higher level indicates better protection.

A Limited flame spread (protection level 0–4)
The level of protection is determined by how long the material continues to burn or glow after the ignition source has been removed. The material is exposed to the flame for 10 seconds.

PROTECTION LEVEL	1	2	3	4
AFTER FLAME TIME (seconds)	≤ 15	≤ 10	≤ 3	≤ 2
AFTER GLOW TIME (seconds)	—	≤ 120	≤ 25	≤ 5

B Contact heat (protection level 0–4)
The protection level shows the temperature the glove can be in direct contact with for at least 15 seconds without the user feeling pain. The material is exposed to high temperatures (up to 500 °C).
For the glove model to achieve the current level of protection, the temperature inside the material must not rise more than 10 °C in 15 seconds.

PROTECTION LEVEL	1	2	3	4
CONTACT TEMPERATURE (°C)	100	250	350	500
THRESHOLD TIME (seconds)	15	15	15	15

C Convective heat (protection level 0–4)
The material is exposed to heat from a flame and it is measured how long it takes for the temperature inside the material to increase by 24 °C.

PROTECTION LEVEL	1	2	3	4
THRESHOLD TIME (seconds)	≥ 4	≥ 7	≥ 10	≥ 18

D Radiant heat (protection level 0–4)
Based on how long the glove is able to delay the transfer of heat when exposed to a radiant heat source.

PROTECTION LEVEL	1	2	3	4
THRESHOLD TIME (seconds)	≥ 7	≥ 20	≥ 50	≥ 95

E Splashes of molten metal – droplets (protection level 0–4)
The number of drops of molten metal (usually iron) required to heat the material to 40 °C determines the level of protection of the gloves.

PROTECTION LEVEL	1	2	3	4
NUMBER OF DROPLETS	≥ 10	≥ 15	≥ 25	≥ 35

F Splashes of molten metal – handful (protection level 0–4)
Artificial skin is attached to the inside of a sample of the glove material. Molten iron is then poured onto the outside of the material. The weight of the metal mass needed to damage the skin imitation is measured. The glove fails the test if metal drops adhere to the material, or if the test piece is punctured or ignited.

PROTECTION LEVEL	1	2	3	4
MOLTEN IRON (gram)	30	60	120	200

EN 455

MEDICAL GLOVES FOR SINGLE USE

This standard specifies requirements for and testing of gloves for medical use. The requirements are described in Council Directive 93/42/EEC on medical equipment.

This includes testing to assess the absence of holes, the dimensions of the gloves and the mechanical strength of the glove materials, both before and after an ageing process.

Even if a product is tested and approved according to EN 455, it must also meet the requirements of the EU Regulation 2017/745 for medical devices (MDR) in order to be sold as a medical device.

See “Regulation (EU) 2017/745” for further information.

PART 1

A number of randomly selected glove samples from each production lot must undergo a water leakage test. The sample size (i.e., the number) depends on the size of the glove lot. These test specimens must achieve an acceptable quality level (AQL) of 1.5 or better in order for the gloves from the relevant production lot to be used for medical examinations, interventions or operations.

AQL 1.5 is equivalent to a maximum risk of 1.5% that any given glove contains a pinhole capable of allowing water, and therefore microorganisms, through the material.

PART 2

EN 455-2 describes the testing requirements for the determination of physical properties, including tensile strength, before and after accelerated ageing. The gloves are treated differently depending on the use they are intended for and the material they are manufactured from.

	FORCES AT BREAK (NEWTONS)
OPERATING GLOVES	≥ 9.0
GLOVES FOR EXAMINATIONS/INTERVENTIONS made of thermoplastic (e.g. vinyl and T.E.P material)	≥ 6.0
GLOVES FOR EXAMINATIONS/INTERVENTIONS made of thermoplastic (e.g. vinyl and T.E.P material)	≥ 3.6

PART 3

EN 455-3 covers requirements and testing for biological evaluation. It specifies methods for protein testing (extractable latex proteins have an important role in latex allergy), powder levels, and endotoxin levels.

PART 4

EN 455-4 covers requirements and testing for shelf-life determination. It specifies real-time and accelerated shelf-life studies, to enable manufacturers to prove that their product will withstand up to 3 years (usually) without losing their properties as well as complying with the requirements of EN 455.

Regulation (EU) 2017/745

MD

MEDICAL DEVICE REGULATION (MDR)

Regulation (EU) 2017/745 on medical technical products “Medical Device Regulation” (MDR) entered into force in May 2017 and replaced the “Medical Device Directive” (MDD) and the “Active Implantable Medical Device Directive” (AIMD).
The purpose of the regulation is to improve the quality, safety, reliability and transparency of medical devices distributed in the EU.

The regulation defines rules and obligations for manufacturers and other economic operators for their quality and safety management. The regulation improves patient safety by establishing strict compliance procedures to ensure that incompatible and unsafe medical devices are not sold in the EU.

It also introduces a new system to ensure traceability and transparency of medical devices throughout the supply chain. Medical equipment, manufacturers and importers are registered with a unique device identifier (UDI).

The system enables faster investigations when problems arise with a product. Information on all medical technical equipment in the EU market will be available to patients, consumers, and the general public in a centralized database (Eudamed).

EN 511:2006

PROTECTION AGAINST COLD (TO -50°C)

Protection against cold is expressed by a pictogram followed by a series of 3 performance levels, relating to specific protective qualities.

A Convective cold (X, 0–4)
B Contact cold (X, 0–4)
C Penetration by water (X, 0/1)

X means that the particular test has not been performed for the model in question. A higher level indicates better protection.

A **Convective cold** (protection level 0–4).
Based on the thermal insulation properties of the glove. The power required to maintain a constant temperature on a heated hand model in a climatic room is measured.

B **Contact cold** (protection level 0–4).
Based on the thermal resistance of the glove material when exposed to contact with a cold object.

C **Penetration by water** (X, 0 or 1).
0 = Water penetrates within 30 minutes of initial exposure.
1 = Water does not penetrate after 30 minutes of initial exposure.

The glove is worn by a test subject and immersed in water up to the wrist. It is kept there for 5 minutes.

After it is pulled out of the water, it is regularly checked for water penetration. During parts of the test, both in the water and afterwards, the glove is moved by the test person by closing and opening their hand. If the water does not penetrate the glove material within 30 minutes from the start of the test, the glove has passed.

EN 511:2006 also contains tests to assess glove flexibility in low temperatures. The standard also includes requirements for protection against the so-called mechanical hazards of wear and tear (based on the tests in EN 388) as well as the general requirements for protective gloves under EN 420.

EN 12477:2001

PROTECTIVE GLOVES FOR WELDERS

This standard applies to protective gloves for use in manual metal welding, cutting and allied processes. It includes references to EN 420, EN 388 and EN 407 requirements.

Compliance to EN 420, except for lengths:

SIZE	6	7	8	9	10	11	
	300	310	320	330	340	350	MM

TYPE A: Lower dexterity and higher performance for physical characteristics. This type is recommended for all welding operations where higher protection would be needed. It is not recommended for TIG* welding.

TYPE B: Higher dexterity and lower physical performance. This type is recommended for TIG* welding.

MINIMUM PERFORMANCE REQUIRED

REQUIREMENTS	STANDARD	TYPE A	TYPE B
Abrasion resistance	EN 388	Level 2	Level 1
Blade cut resistance	EN 388	Level 1	Level 1
Tear resistance	EN 388	Level 2	Level 1
Puncture resistance	EN 388	Level 2	Level 1
Burning behaviour	EN 407	Level 3	Level 2
Contact heat resistance	EN 407	Level 1	Level 1
Convective heat resistance	EN 407	Level 2	—
Resistance to small splashes of molten metal	EN 407	Level 3	Level 2
Dexterity	EN 420	Level 1	Level 4

*) Tungsten Inert Gas (TIG) welding is a method of arc welding that uses a non-melting electrode made from wolfram to produce the weld seam. This method is now officially called Gas Tungsten Arch Welding (GTAW).

GLOVE MATERIALS AND DEFINITIONS

NATURAL MATERIALS

BAMBOO

Bamboo is a natural fibre made from an herbaceous plant, very soft, velvety, and slightly glossy. Bamboo fibres have anti-microbial and anti-fungal properties retained even after numerous washings.

These properties prevent unpleasant odours when using products made from 100% bamboo. Bamboo can be considered ecological since no pesticides are used during cultivation. Bamboo fibres can absorb 60% more moisture than cotton, and dry twice as fast as cotton.

This amazing natural fibre is non-irritant to the skin, making Bamboo gloves a good alternative for people who suffer from allergies and sensitive skin conditions.

COTTON

Cotton is a plant usually processed into yarn, suitable to produce soft, air-permeable textiles. Woven or knitted cotton textiles feature great moisture absorption, are easy to wash and do not acquire an electrical (static) charge. These properties do not change even when subject to temperatures up to 150°C.

It is perfectly suitable for clothing used in direct contact with the skin. The recommended washing temperature of cotton textiles is up to 60°C. Cotton is often mixed with other types of yarns, especially polyester and polyamide. These synthetic fibres increase the durability of the fabric. Cotton fibres are not elastic, so they are often mixed with elastane.

LATEX

Latex is an elastic and highly durable material made from rubber tree sap. Rubber is elastic due to its macromolecules forming spirals.
The molecules elongate when stretched and coil into spirals when released. This specific feature enables latex to adapt naturally to different hand shapes. It is very elastic (elongation up to 750%) and has a long lifespan.

Latex provides good protection against most alkaline products and detergents. Latex is very durable and tear-resistant, but it can be punctured by sharp objects. The major drawback of latex is its composition since it contains proteins and chemical allergens.

LEATHER

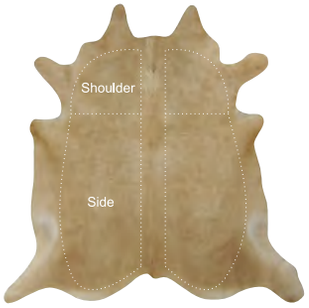
Leather is durable, pliable, and supple, and has exceptionally good breathability. Furthermore, it has the ability to absorb moisture, which results in leather gloves rarely retaining moisture, but instead feeling both dry and comfortable.

To soften the leather, Chromium is added during the tanning process. This can cause allergic reactions in certain individuals. An upper limit is therefore specified for Chromium (VI) content in leather gloves. EN 420 specifies this limit to a maximum of 3 mg/kg.

SPLIT AND GRAIN LEATHER – WHAT'S THE DIFFERENCE?

The properties of hide/skin vary, depending on which part of the animal the hide/skin comes from. Hide/skin from the sides has the highest durability. Hide/skin from the shoulders is also durable, but less than side split leather.

Before tanning the hide/skin, it is split into two layers. From the outer layer, a grain or Nappa is made, while a slit or suede is made from the inner layer.

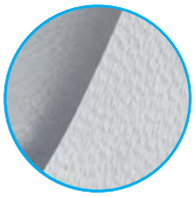


GRAIN/NAPPA LEATHER

Grain/Nappa leather is made from the smooth outer surface of the hide/skin. This leather is durable, supple, sensitive and moisture absorbing, making it an excellent choice for assembly gloves, where the dexterity requirements are high.

SPLIT/SUEDE LEATHER

Split/suede leather has a rougher surface than grain leather. It comes in several thicknesses and is quite heat resistant. For this reason, split leather is highly suitable for work gloves designed for rough handling or for welding gloves, which must withstand high temperatures and sparks.



GOATSKIN

This leather features a detailed and embossed grain appearance, and a beautiful natural leather surface pattern. Goatskin is distinguished by its suppleness, low thickness with relatively high durability.
The grain layer of some leather types is slightly polished to acquire a beautiful appearance in addition to being lightweight and elastic.

PIG GRAIN

Pig grain leather differs from other types of leather. Its grain layer features random relatively big bristle pores, creases, and a slightly rough grain pattern. As bristles grow from relatively deep layers, pig grain has few channels throughout its thickness increasing water permeability and maceration. The leather thickness is slightly uneven. This leather has good durability and longevity but low elasticity.

COW GRAIN

Cow grain leather has an attractive appearance, a tender and even surface, a nice grain pattern and a relatively even thickness.
Cow grain leather is very strong. It differs from calf leather by its grain pattern which is slightly rougher, as well as its higher thickness and rigidity. Cow grain features lower water permeability and maceration compared to pig grain.

COW SPLIT

Cow split is leather with a rough surface that can withstand heat up to 150°C. Cow split leather is soft, supple, and tender and it has good physical and mechanical properties.
The surface has small funnel-like bristle pores that are almost invisible as they are covered by longer hairs. Cow split leather features significantly lower water permeability and maceration if compared to pig split.

SYNTHETIC MATERIALS

NITRILE

Nitrile is a synthetic acrylonitrile and butadiene polymer. Nitrile gloves were developed as a solution for people who are developing allergies to latex gloves. Nitrile has several advantages, as it is made of synthetic rubber that is not an allergen.

Another important feature of nitrile gloves is their durability. Nitrile gloves are three times more puncture resistant than latex or vinyl. Due to improved production processes, the properties of nitrile gloves can be closely compared to their latex counterparts with their level of comfortability, elasticity (elongation up to 500%) and adaptability to the shape of the hand.

Nitrile gloves are widely used in machine repair shops and households when there is direct contact with lubricants, automotive petrol, or other chemicals. Nitrile gloves are suitable to use at high temperatures, however, they should be stored at low temperatures, in a dry and dark location. Nitrile is not as "sticky" as latex and most people do not have problems when putting on and taking off gloves. However, nitrile is not as elastic as latex, therefore it is imperative to choose correct-sized gloves.

NEOPRENE

Neoprene is a synthetic chloroprene rubber, non-flammable, more durable than natural rubber and it is oil and solvent resistant. Neoprene features both good chemical stability and elasticity within a wide temperature range. It contains millions of pores in which air quickly is warmed to human body temperature. Neoprene has good heat and cold protective properties.
The thicker the neoprene layer is, the better thermal protection it provides. Neoprene is often used for glove cuffs and the production of cold- and moisture-resistant gloves.

VINYL

Vinyl is not as durable or elastic as latex or nitrile. It can be torn and punctured more easily. Vinyl is easier to obtain and is less expensive than latex and nitrile. Vinyl gloves do not fit snugly around the wrist, and they do not protect sufficiently against liquid penetration if the material is being stretched. Their low elasticity limits their comfortability and snug fit on the hands.
Vinyl does not contain natural rubber proteins or chemical accelerators making it the most skin-friendly material available. Vinyl gloves are an economic choice for activities that do not require high touch precision and a perfect choice for low-risk activities.

PVC

PVC stands for Polyvinyl Chloride which is produced from oil and table salt. The scale of flexibility and rigidity for PVC is very wide. That enables it to be extruded, rolled, or sprayed. This is a very durable material that is resistant to acids, alkalis, and alcohol. It can also acquire any desired colour. This polymer has good chemical resistance properties, low flammability class and good UV resistance and is widely used in work gloves.

POLYURETHANE (PU)

Polyurethane is a thermoplastic elastomer, and it is a very elastic material with good antifriction properties. Glove palms coated with solid polyurethane are thin, straight, and flexible. Glove palms coated with polyurethane microfoam are soft, water, and lubricant resistant.
Polyurethane microfoam is air permeable and maintains cool and dry hands. Polyurethane microfoam is rather flexible, and it features great adhesion to the surface both in wet and dry environments. It also has good heat protective characteristics.

WATER-BASED POLYURETHANE (PU)

Water-based polyurethane is polyurethane without DMF (dimethylformamide) solvent, and it is a commonly used coating for gloves.
Water-based PU has a rapid degradation in the environment compared to the traditional PU with DMF solvents.

MICROSKIN SHIELD®

MicroSkin Shield® is an exceptionally elastic fabric with good anti-friction. The core consists of an exceptionally strong, abrasion-resistant, water-repellent polyester yarn. The Polyurethane coated microstructure pattern guarantees flexibility and a perfect grip on different surfaces. It also has improved resistance to water and grease.

MACROSKIN PRO®

MacroSkin Pro® is a mechanically strong and very elastic material. It is also soft and thin, while its surface is relatively smooth and pleasant to touch. The material structure consists of a combination of nylon and polyester, which improves abrasion resistance, is wrinkle resistant and has a quick moisture release. The above-mentioned properties make the material suitable for glove production for a wide range of purposes.

KR-GRIP®

KR-Grip® is a fabric that offers a strong grip. The special surface structure formed by PVC enables moisture resistance when working in wet conditions and guarantees good fabric flexibility. The core of KR-Grip® is strong, soft, and wrinkle-resistant knitted fabric made from polyester and cotton.

TYPHOON®

Typhoon® is an extremely strong (yield strength) fibre combination characterised by the highest level of cut resistance.
The applied technological solutions have resulted in a fibre combination consisting of high molecular weight polyethene, glass fibre and elastane/Spandex®. The yarn consisting of such fibres is elastic, characterised by air permeability and resistance to moisture. Typhoon® is very light, 10 to 15 times stronger than steel (per unit weight) and up to 40% stronger than aramid fibres.

PROTEX®-MEMBRANE

Protex® membrane is a polyurethane membrane that consists of numerous micropores smaller than a drop of water but bigger than a molecule of moisture vapour. The membrane structure prevents water drops from penetrating, however, sweat can easily evaporate. The result of such a process is a nonpermeable, wind resistant and breathable membrane.

CORDURA®

Cordura® is a long-lasting, very solid, and abrasion-resistant material. It is a polyamide fabric with a durable polyurethane coating that is treated with water-resistant Teflon® coating.

Cordura® is a patented trademark of DuPont™ used for any durable material of this category irrespective of thickness. The Cordura® material is stain resistant, easy to clean and has an exceptional strength-to-weight ratio.

KEVLAR®

Kevlar® is a para-aramid fibre that is highly durable, flexible, and relatively lightweight. Kevlar® tensile resistance is five times higher compared to steel, and it is heat-resistant up to 370°C. This fibre is extremely cut-resistant and non-flammable.

Yarns made from this fibre are suitable to produce both woven and knitted fabrics, but also technical textiles, widely used to produce bullet-resistant vests, military, or firefighter clothing as well as heat-and cut-resistant work gloves.

ELASTANE (EL)

Elastane is a synthetic elastomeric fibre with at least 85% polyurethane composition. It is elastic, and even when stretched to triple the length it will immediately return to its original form as soon as tensile force is eliminated. The monofilament or multifilament yarns of this fibre are used as components for different fibre compositions.

Yarns containing elastane provide high elasticity for polyester, nylon, cotton or other composition materials, and the clothing made with these fabrics provides a comfortable and snug fit around the body.

SPANDEX®

Spandex® is the name of elastomeric fibre (elastane) that is standardized in the USA. According to ISO standards, this fibre is called elastane.

LYCRA®

Lycra® is a trademark of DuPont™ and is in essence elastane (EL) without latex or natural rubber (elastane of other trademarks may contain a certain percentage of latex).

NYLON

Nylon is a trademark for polyamide fibres. This synthetic fibre is stretchy, durable, and very resistant to wear and chemical reagents.
It features better moisture absorption properties than other synthetic materials. Nylon is sensitive to sunlight and acquires a yellowish hue, which is why often mixed with other fibres.

ACRYLIC FIBRE

Acrylic fibre is a synthetic fibre that contains at least 85% of acrylonitrile and looks like wool, cotton, or a blend thereof.
It is flexible, resistant to moths, petrol, and chemical products, as well as direct sunlight. Acrylic fibre is usually used for knitted textiles, like fleece wear, sportswear, and children's garments.

POLYETYLEN (PE)

Polyethene is a thermoplastic, elastic, and nontoxic polymer. It features high flame resistance and once ignited burns without soot. It is not soluble in any of the normal solvents at room temperature.

It is chemical resistant to acids, alkalis, and salt solutions and it is light permeable. When its density increases, the impact resistance and transparency decrease and there is a rise in melting temperature, strength, chemical resistance and permeability to gas and odour.

With the decrease of polyethene melting index, its recyclability is impaired, however, it features better resistance to impact, chemicals and wearing, as well as a better sliding performance.

The properties of polyethene can be improved by modifications:

LDPE - Low-Density Polyethylene (910 - 925 kg/m^3) without extra polymerization. This polyethene is viscous and soft.

MDPE - Medium- Density Polyethylene (925 - 940 kg/m^3) combines the best characteristics of LDPE and HDPE.

HDPE - High-Density Polyethylene (940 - 970 kg/m^3). It is one of the most practical and cheapest materials on the market. It is very solid and durable but features less elasticity if compared to other polyethylenes.

EVA

EVA is an Ethylene Vinyl Acetate copolymer. If containing small amounts of vinyl acetate (up to 6%), EVA is attributed to the high-pressure polyethene group of materials.
If it contains a higher percentage of vinyl acetate so the material elasticity is proportionally increased, the crystalising index and melting point are reduced and the material will show increased resistance to technical oils and fats. The material is highly water and gas resistant.

POLYESTER (PES)

Polyester is a widely used synthetic heterochain polymer that is produced from petrol. This fibre is friction resistant, almost wrinkle-free, durable, and does not absorb moisture which expedites the drying process.

Polyester is often mixed with wool, cotton, or linen to increase durability, softness, and glossiness, and reduce the creasing of woven or knitted fabrics. Polyester products do not require special maintenance. It should be noted that clothing with high polyester content should be kept away from heat and direct sunlight.

POLYPROPYLENE (PP)

The density of Polypropylene is one of the lowest (approx. 0.9 g/cm^3) of all plastics. It is more durable and more temperature-resistant compared to polyethene. The maximum polypropylene usage temperature is 120-140°C. All polypropylene products can be sterilized often by vapour or boiling as this does not influence the shape or mechanical features.

PP surpasses PE by its heat resistance features, however, it is less cold resistant and becomes brittle at -5°C. PP manufacturers use special additives to increase resistance to low temperatures.

NON-WOVEN POLYPROPYLENE

Non-woven polypropylene is made of very thin plastic (polypropylene) fibres. Non-woven polypropylene is a very practical fabric because it is durable, soft, lightweight, and economical. Moreover, this fabric is easily recyclable after usage. It is most often used to produce surgical masks and medical gowns.

POLYAMIDE

Polyamide is a synthetic fibre that is extremely resistant to friction (about 10 times greater than cotton and 20 times more than wool).

The polyamide fibre is very stretchy and static charge resistant. It is very lightweight, almost impermeable to water, non-creasing and durable.
It quickly absorbs electric charge, discolours easily, is not flame-resistant and melts when burning. Polyamide is often mixed with natural fibres which increase its durability and longevity. Non-rinsing products should be used for washing.

The most popular type of polyamide is nylon.

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- Highest level of cut protection, EN388 level F.

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