OUR HISTORY – A TIMELINE OF GLOVES

1951: Foundation of the Best Glove Manufacturing Company
1953: Showa invent the first PVC glove
1954: Foundation of the Showa Glove Company
1960: Showa develop a glove specifically for the fishing industry
1960s: Best invent the first wrinkle-finished rubber coated glove
1970s: Best invent the first chemical resistant PVC glove
1980: Showa invent the first seamless knit glove
1980s: Neil Tillotson and his two sons operated the largest latex examination glove plant in the world
1983: Showa launch oil-resistant PVC gloves
1985: Showa launch polyurethane/nylon gloves (BO)
1988: Showa launch dipped Nitrile gloves
1990s: Best invent the first latex-free disposable examination glove (N-DEX)
1994: Showa launch natural latex coated grip gloves (310)
1994: Showa begin exporting to USA and Europe in earnest and form partnership with Globus for UK market
1999: Best launch thin Nitrile gloves
2000: Foundation of Showa Europe
2003: Best invent the world’s first accelerator-free disposable glove
2005: Best invent the sponge Nitrile oil grip glove (Zorb-IT)
2006: The group becomes Showa Glove Co.
2007: Acquisition of Best Manufacturing Co.
2009: Unification of Showa Best Glove worldwide. Globus & Showa Best glove form new partnership for UK and Ireland
Innovation, ergonomics and constant quality in the name of productivity

For over fifty years, Showa Best has offered high-performance solutions to the complex problems of hand protection in the workplace. The constant growth of our brand on the international market is a testament to the increasing popularity of our range of gloves.

Showa Best is as demanding as the consumer and always places manufacturing emphasis on the users’ priorities and requirements. A glove is not just a piece of protection equipment, it must also facilitate movement by equipping the hand with mobility and comfort when handling objects and equipment. By contributing to boosting productivity, Showa Best gloves represent an exceptionally cost efficient investment that helps to significantly improve working conditions.

Showa Best has placed innovation and operational excellence at the heart of our industrial dynamic and our development strategy. Each glove is developed by carrying out a detailed study of all quality parameters; – design, suitability, ergonomics, suppleness, performance of the materials and manufacturing processes – making it possible to achieve the correct balance between safety, dexterity, performance and price.

Ever faithful to our history and legacy, Showa Best drives consumer-orientated R&D programmes to surpass market expectations with next generation products. With an ethos of accident reduction through the promotion of glove wearing, Showa Best will continue to offer high quality solutions to meet your existing expectations.

Every Showa Best glove is produced using a patented manufacturing procedure in a Showa Best owned and managed factory with as much emphasis placed on protecting the environment as there is on protecting hands. Showa Best do not use products that may cause irreversible damage to the environment and a large proportion of R&D is devoted to biodegradable plastics and developing fibres and materials that have no impact on the environment.
Globus and Showa Best - The experts in hand protection

For almost two decades, Globus (Shetland) Ltd has supported UK Industry by providing highly advanced hand and arm protection. Globus’ partnership with Showa Best has proved invaluable to hundreds of UK companies in many diverse market sectors. Continuing our mission to deliver advanced hand protection technology, Globus is proud to present the latest Showa Best catalogue where our integration of Showa and Best gloves is brought to life.

Never resting on our laurels, Globus has once again redefined the levels of comfort and performance achievable using our products. Fit, technical performance, wearer acceptance and dexterity combine to provide unrivalled levels of protection in the workplace - an increasing pressure for all businesses. Showa and Best gloves are designed for the most complex and dangerous tasks and offer levels of mechanical, chemical and cut protection, widely recognised as the benchmark for performance by industry professionals.

Did you know…

• SHOWA created the World’s first palm fit glove almost 30 years ago, creating a style that has become the preferred form of hand protection.

• The BEST N-Dex glove was the first ever nitrile disposable glove. And it is still the market standard for comfort and performance.

• SHOWA developed another World’s first with the development of seamless GRIP style gloves, spawning a thousand imitators.

• Spinning and knitting of hi tech fibres for greater protection and performance was pioneered by SHOWA in the 1990’s.

• All SHOWA branded gloves are made in SHOWA owned facilities, on SHOWA owned machines by SHOWA employees. Amazingly, every single pair of gloves is still individually hand inspected at the end of the production process contributing to our “Zero Defect” policy.

• “Holding Hands Around the World” If every SHOWA glove produced each year was laid in line, a chain of gloves would wrap around the earth 3 times!

Included for the first time are some innovative new designs providing exceptional levels of comfort, fit and dexterity whilst still maintaining the necessary durable and technical performance to suit most modern day industrial applications. Protecting employees in the workplace provides a constant challenge to companies and managers. Best practice can only be achieved through the use of highly suitable products. Showa Best gloves are among the highest quality available today, utilising high-grade raw materials to guarantee consistency in quality and performance.

We are confident you will find the extended range of products fulfil all your safety obligations, whilst delivering exceptional value for money and gaining widespread wearer acceptance. The extended life of Showa Best gloves reduces down time, overall hand protection costs as well as having a more positive effect on the environment by minimising waste.

World-class products demand world-class distribution and support. From our impressive site on Trafford Park Manchester, Globus provides a level of logistical, sales, marketing and technical service and support unrivalled in today’s competitive market place. Our network of Distributor Partners will be delighted to help you. Should you require further details or to arrange trials or for more information please call our Sales Office on 0161 8774747 or contact your local Globus Account Manager to arrange a visit.

Haraldur Agustsson, Managing Director
Globus (Shetland) Ltd
Showa Best Glove offer a wide range of materials and coatings. Compare the strengths and drawbacks of each and choose the compositions that best meet your needs!

**Cotton**
Natural cellulose fiber. Flexible, soft and non-irritating, it protects against mechanical aggression (impacts, low vibration, iron filings, splinters, glass fragments), absorbs perspiration and gives you great comfort when wearing dipped protective gloves continuously. Cotton fibers are mixed with polyester fibers in order to associate comfort with a higher mechanical resistance and more elasticity.

**Nylon**
A lightweight elastic polyamide which is largely lint-free and washable, dries quickly and is resistant to abrasion and deformation. Mixed with cotton and acrylic, it makes the glove more flexible and extends its lifetime.

**Acrylic**
A polymer that is resistant to water, common solvents, acids and weak alcalis, and that is resistant to abrasion. Soft and warm, it insulates you from the cold. Mixed with cotton, it makes the knit more lightweight.

**Aramid**
It is lightweight, supple, comfortable, washable. It provides effective protection from cuts (with stainless steel reinforcements) and from convective heat offering durability and performance that far exceed that of leather (5 times higher) and cotton (3 times higher).

**HPPE**
High performance polyethyene is flexible, light and durable. As resistant to cutting as a para-aramid but with more resistance to abrasion, the fibre remains resistant to chemicals, in particular solvents.
<table>
<thead>
<tr>
<th>SHOWA BEST</th>
<th>Each coating has its qualities!</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DESCRIPTION</strong></td>
<td><strong>STRENGTHS</strong></td>
</tr>
<tr>
<td>Nitrile</td>
<td>Anti-slip vulcanised synthetic rubber</td>
</tr>
<tr>
<td></td>
<td>Excellent abrasion and cut resistance</td>
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<tr>
<td></td>
<td>Three times the puncture resistance of latex</td>
</tr>
<tr>
<td></td>
<td>Good mechanical performance</td>
</tr>
<tr>
<td></td>
<td>Excellent resistance to oil, grease and hydrocarbons</td>
</tr>
<tr>
<td></td>
<td>Good resistance to Acids, certain organic solvents, pesticides, oils and fuels</td>
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<tr>
<td></td>
<td>No latex proteins</td>
</tr>
<tr>
<td></td>
<td>Heat resistance (but no flame resistance)</td>
</tr>
<tr>
<td></td>
<td>More rigid</td>
</tr>
<tr>
<td></td>
<td>Normally low tear resistance (N-DEX is exception to this)</td>
</tr>
<tr>
<td></td>
<td>No chemical resistance against ketones and some chlorinated hydrocarbons, methylene chloride and trichloroethylene</td>
</tr>
<tr>
<td>Natural rubber latex</td>
<td>Natural rubber mainly from latex of the rubber tree</td>
</tr>
<tr>
<td></td>
<td>Very flexible and elastic</td>
</tr>
<tr>
<td></td>
<td>Good grip</td>
</tr>
<tr>
<td></td>
<td>Excellent resistance to tearing and bending</td>
</tr>
<tr>
<td></td>
<td>Good resistance to abrasion</td>
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<tr>
<td></td>
<td>Very robust</td>
</tr>
<tr>
<td></td>
<td>Waterproof</td>
</tr>
<tr>
<td></td>
<td>Protects against weak acids, caustics, alcohols and detergents</td>
</tr>
<tr>
<td></td>
<td>Protection from viruses and bacteria</td>
</tr>
<tr>
<td></td>
<td>Poor chemical resistance against oils, greases, hydrocarbons and organic solvents</td>
</tr>
<tr>
<td></td>
<td>Proteins may cause allergies</td>
</tr>
<tr>
<td>Polyurethane (PU)</td>
<td>Plastic that is microporous elastomer</td>
</tr>
<tr>
<td></td>
<td>Very flexible and elastic</td>
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<tr>
<td></td>
<td>No latex proteins</td>
</tr>
<tr>
<td></td>
<td>Clean – does not shed particles like other polymers</td>
</tr>
<tr>
<td></td>
<td>Good resistance to abrasion</td>
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<tr>
<td></td>
<td>Good resistance to oil</td>
</tr>
<tr>
<td></td>
<td>Does not harden in the cold</td>
</tr>
<tr>
<td></td>
<td>Does not soften in the heat</td>
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<tr>
<td></td>
<td>Breathable thanks to porous ventilation</td>
</tr>
<tr>
<td></td>
<td>Low chemical resistance</td>
</tr>
<tr>
<td></td>
<td>Poor resistance to hot water</td>
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<tr>
<td>Showa and Best PVC (poly vinyl chloride)</td>
<td>Impermeable plastic</td>
</tr>
<tr>
<td></td>
<td>Flexible at even -20°C</td>
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<tr>
<td></td>
<td>Softened material</td>
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<td></td>
<td>Good electrical insulator</td>
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<tr>
<td></td>
<td>High chemical resistance</td>
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<tr>
<td></td>
<td>Low resistance to cuts, puncturing and heat</td>
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<tr>
<td></td>
<td>Disposable PVC gloves might have pinholes</td>
</tr>
<tr>
<td></td>
<td>Low resistance to solvents</td>
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<tr>
<td>Neoprene</td>
<td>Polychloroprene synthetic rubber</td>
</tr>
<tr>
<td></td>
<td>Flexible and soft</td>
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<tr>
<td></td>
<td>No latex proteins</td>
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<tr>
<td></td>
<td>Good abrasion and cut resistant</td>
</tr>
<tr>
<td></td>
<td>Chemical protection against acids, alcohols, fats, ketones, organic and inorganic solvents, oils, greases and petrochemicals</td>
</tr>
<tr>
<td></td>
<td>Heat resistant and flame resistant</td>
</tr>
<tr>
<td></td>
<td>Limited grip when wet</td>
</tr>
<tr>
<td></td>
<td>No chemical resistance against chlorinated hydrocarbon solvents</td>
</tr>
<tr>
<td>Butyl</td>
<td>Synthetic rubber polymer for heavy chemical protection</td>
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<tr>
<td></td>
<td>Very elastic, even at low temperatures</td>
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<tr>
<td></td>
<td>Excellent chemical resistance against ketones (MEK, acetone) and acids</td>
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<tr>
<td></td>
<td>Low gas permeability</td>
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<tr>
<td></td>
<td>Limited grip</td>
</tr>
<tr>
<td></td>
<td>Limited dexterity</td>
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<tr>
<td></td>
<td>Poor mechanical resistance</td>
</tr>
<tr>
<td></td>
<td>Poor resistance to aliphatic hydrocarbons (hexane, diesel, gasoline), aromatic hydrocarbons (benzene, toluene, xylene) and halogenated solvents (chloroform and chlorobenzene)</td>
</tr>
<tr>
<td>Viton</td>
<td>Synthetic rubber polymer</td>
</tr>
<tr>
<td></td>
<td>Protects where nothing else protects</td>
</tr>
<tr>
<td></td>
<td>Chemical protection against PCBs</td>
</tr>
<tr>
<td></td>
<td>Excellent chemical protection against chlorinated, aliphatic and aromatic hydrocarbons</td>
</tr>
<tr>
<td></td>
<td>Limited grip</td>
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<tr>
<td></td>
<td>Limited dexterity</td>
</tr>
<tr>
<td></td>
<td>Not suitable for ketones, esters and nitro compounds</td>
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</tbody>
</table>
To protect the hand from common mechanical or chemical hazards while preserving its mobility and dexterity: we made our name by providing the very best in all-round, multi-purpose hand protection. Whether the job calls for small parts handling, general maintenance or heavy lifting and contractor work, we have the best glove for the job.
Gloves suited to intense manual work involving the handling of tools, loads or heavy objects. Natural rubber with a rough finish protects the hand from mechanical risks and ensures a secure grip. The liner, which is softened with polyester, reinforces the hand’s protection while adding comfort.

310 Grip Green

…building, maintenance, roofing, quarry work, masonry…

310 Grip Orange

HEAVY WORK, GRIP, DURABILITY
Seamless cotton/polyester liner.
Latex-coated palm.
Resistant to abrasion, protects from micro-cuts and ensures excellent grip. Ventilated back of the hand. Ideal when working for extended periods, as it prevents hand fatigue.
…building sites, highway maintenance, masonry, carpentry, quarry work, floor tiling, roofing, assembly of metal framework…

310 Grip Black

…Black colouring shows less dirt and soiling

340 Opti-Grip

HEAVY WORK, DEXTERTITY, DELICATE TASKS
Seamless, nylon liner.
Latex-coated palm.
Mechanical protection concentrated at the palm and fingers. Ventilated back of the hand. Maximum dexterity with a fine gauge, supple, lightweight nylon liner that is shaped closely to the hand.
…building work, agriculture, mechanical construction, woodwork, assembly, delicate tasks…
305 Grip Xtra
KNUCKLE PROTECTION
Coating that extends over the back of the hand.
...masonry, cement work, plastering and stonework, fishing, refuse collection and sorting...

317 High-Vis Grip
HIGH VISIBILITY AND HEAVY WORK
Latex coated palm with a high visibility seamless cotton/polyester liner and luminous markings.
...building sites, highway maintenance, masonry, roofing, quarry work...

330 Re-Grip
REINFORCED
Version with a double coating of latex between the thumb and index finger. The hands are better protected and the glove’s lifetime is prolonged.
...scaffolding assembly, handling metal sheets, plates, cables, ropes, tools...

451 Thermo*
SPECIFICALLY DESIGNED FOR THE COLD
Warmer version with a mixture of acrylic, cotton and polyester in the liner. Level 2 cut resistance.
...outdoor or cold-room work or with small, sharp tools...

*EN 511 Approved

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<td>CE</td>
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<td>310</td>
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<td>317</td>
<td>II</td>
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<td>330</td>
<td>II</td>
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<tr>
<td>340</td>
<td>II</td>
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<td>451</td>
<td>II</td>
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</table>
Nitrile foam makes control and movement more reliable. In greasy or oily environments the interaction between the glove coating and substance improves grip, even with smooth surfaces (plastics, woods, cardboard...)

380 Foam Grip
Enhanced grip, delicate work, assembly
Seamless nylon liner with a nitrile foam-coated palm.
The microporous nitrile foam provides a strong grip in wet, dry and oily environments where secure grip and control is required.
The lightweight nylon liner is well ventilated and fits to the contours of the hand.
...mechanical and automotive construction, machine or component assembly, machining, sanding...
MULTI-PURPOSE

376 Nitrile Foam Grip PC
OILY & GREASY ENVIRONMENTS
Increased protection and dexterity provided by supple coating and close fitting seamless liner. Nitrile foam over flat nitrile 3/4 coating prevents breakthrough of many contaminants and liquids. The breathable comfort panel on the back of the hand reduces perspiration and improves comfort. The 3/4 coating and double dipped palm and fingertips provides greater protection and resistance to abrasion.
...mechanical engineering, petro chemistry, construction, engine building, concrete pouring, oil rigs...

377 Nitrile Foam Grip
OILY ENVIRONMENTS, OIL SUBMERSION
All-terrain protection for the heavier job.
A fully coated nitrile liner with a nitrile foam palm. Ideal for wet and oily environments, the supple liner provides protection against the ingress of liquids without compromising mobility and dexterity whilst the foam nitrile palm provides excellent grip levels.
...mechanical and automotive, construction, machine or component assembly, delivery of barrels of oils...

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<thead>
<tr>
<th>Cat</th>
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<tr>
<td></td>
<td>Abrasion</td>
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<td>376</td>
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<td>377</td>
<td>II</td>
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<tr>
<td>380</td>
<td>II</td>
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</table>
Suppleness combined with robustness. A range of gloves that are highly resistant to abrasion and tearing, and designed for precise work when oils and chemicals are present.

350 Nitrile Grip

**ENHANCED GRIP, HEAVY WORK**

A hardwearing glove with a ventilated back. Ideal for when a good grip is required and for the transport of heavy, bulky objects. The thick but supple liner protects the hand from friction whilst the oil resistant nitrile coating promotes durability.

…warehouse handling and delivery of barrels of oil or chemicals, handling of crude or abrasive products, warehouse work, mechanical industries…
370 Assembly Grip White

**ENHANCED GRIP, DEXTERITY, DURABILITY**

Seamless nylon liner. Nitrile-coated palm.
A very light and supple glove with a ventilated back.
The coating leaves the knuckles free and protects the hand while maintaining its mobility.
...assembly of parts, electrical appliances, tiling, carpentry, painting...

370 Assembly Grip Black

Black colouring is ideal for work in dirty environments.
...handling or assembly of greasy mechanical parts, plumbing...

265R Assembly Grip Lite

**ENHANCED GRIP, DEXTERITY**

Seamless nylon liner.
Version with a finer coating and a ventilated back which preserves the hand’s sensitivity and mobility as much as possible.
...assembly of automotive, aeronautical and electronic components, surface treatment, packing, handling of bottles...

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<tr>
<th>Cat</th>
<th>CE</th>
<th>Abrasion</th>
<th>Cut</th>
<th>Tear</th>
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<td>350</td>
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<td>7/S, 8/M, 9/L, 10/XL</td>
<td>120</td>
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<tr>
<td>370 WHITE</td>
<td>II</td>
<td>4</td>
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<td>2</td>
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<td>5/XXS, 6/S, 7/M, 8/L, 9/XL, 10/XXL</td>
<td>120</td>
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<tr>
<td>370 BLACK</td>
<td>II</td>
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<td>2</td>
<td>1</td>
<td>6/S, 7/M, 8/L, 9/XL, 10/XXL</td>
<td>120</td>
</tr>
</tbody>
</table>
4550 Zorb-IT
**OIL ABSORBENCY, HIGH GRIP**
Seamless, nylon liner. Nitrile sponge palm. Lightweight, elasticated, low-lint glove. Nitrile sponge palm protects the hand from oils, hydrocarbons, grease and abrasion, while providing optimal long lasting grip. …mechanical, assembly, maintenance, engineering, construction, labouring…

4575 Zorb-IT Extra
**KNUCKLE COATING, HIGH GRIP**
Seamless, nylon liner. Nitrile sponge coating to ⅞ of glove. Lightweight, elasticated, low-lint glove. ¾ Nitrile sponge coating provides additional protection, while providing optimal long lasting grip. …handling metal sheets, automotive, maintenance, metallurgical industry, engineering, construction, labouring…

4540 Zorb-IT Black Lite
**ULTRA LIGHT, DEXTERITY**
Seamless, black nylon liner. Nitrile sponge coating. Ultra lightweight, black nylon lined glove that offers high levels of flexibility and dexterity. Nitrile sponge palm protects the hand from oils, hydrocarbons, grease and abrasion, while providing optimal long lasting grip. …car manufacturing, assembly, maintenance, engineering, mechanical…
4570 Zorb-IT HV

**HIGH VISIBILITY, HIGH GRIP**

Seamless, nylon liner.
Nitrile sponge coating.
Fluorescent high visibility.
Lightweight, fluorescent glove designed to be used in poorly lit conditions.
Nitrile sponge palm protects the hand from oils, hydrocarbons, grease and abrasion, while providing optimal long lasting grip.

...construction, rail industry, service, repair, masonry work, public sector, mechanical...

4560 Zorb-IT Ultimate

**CUT RESISTANT, HIGH GRIP**

Seamless, Kevlar liner.
Nitrile sponge coating.
Flexible and durable cut resistant glove with a Kevlar liner that provides effective protection when handling sharp, slippy objects including metal and glass.

...construction, masonry work, public sector, mechanical, assembly...

4565 Zorb-IT Ultra

**CUT RESISTANT, KNUCKLE COATING**

Seamless, Kevlar liner.
Nitrile sponge coating to ¾ of glove
Kevlar lined, cut resistant glove with a ¾ nitrile sponge coating providing additional protection when handling sharp slippy objects including metal and glass.

...glass industry, automotive, metal work, mechanical...

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<tr>
<th>Cat</th>
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<td>4550</td>
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<tr>
<td>4540</td>
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<td>4570</td>
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<td>4560</td>
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<td>7/S, 8/M, 9/L, 10/XL, 11/XXL</td>
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</tr>
</tbody>
</table>
A special range for precision work and product protection. Breathable microporous polyurethane foam is combined with a seamless, wide-mesh nylon liner to create a very supple, stretchable, lightweight and comfortable mechanical barrier that adapts to every movement. The hand, which is protected from micro-cuts and friction, is free to perform delicate tasks without tiring. The glove is resistant to abrasion and tearing.

**B0500 Palm Fit White**

...precision work, assembly, packing, electronic inspection, manufacture of plastic bottles, moulding...

**B0500 Palm Fit Black**

HIGH DEXTERITY, OIL GRIP, ASSEMBLY

Seamless nylon liner.
Polyurethane-coated palm.
A glove with a ventilated back, which protects the palm and fingers while completely freeing the hand’s movements.
Black colouring is ideal for work in dirty environments.
...precision work, assembly, packing, mechanical inspection...
**B0600 Top Fit**

**MAXIMUM DEXTERITY**

Coating is restricted to the fingertips, the part of the hand most exposed to micro-cuts.

...microelectronics, precision assembly, clock-making, gold and silver trade, archiving, inspection, clean rooms*…

**B0610 Fit**

**ANTI-MARKING**

Uncoated seamless nylon liner version.

Protects objects from direct contact with the hand. Clean-room version available.*

…all tasks where fingerprints must be avoided, microelectronics, inspection, luxury packaging, inner glove, clean rooms*…

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* B0500, B0600, B0610. Clean Packed versions: gloves decontaminated by rinsing in ultra-pure water and bagged in a class 100 (ISO 5) clean room (fewer than 100 0.5 μ particles in 0.03m³).

The bags must be opened in an ultra-clean environment.

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<td>B0500 WHITE</td>
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Showa was the first glove manufacturer to use this material. It devised a special type of PVC that combines the highest levels of suppleness, mechanical resistance and chemical protection.

Thicker PVC around the wrist reinforces its permeability at the cuff.

600 PVC Green
HIGH DEXTERITY AND COMFORT
PVC-dipped, seamless cotton liner. This ultra-supple fully coated glove, with its thick cotton liner and rough surface, ensures a secure grip on tools and other objects, and allows remarkable freedom of movement while providing effective protection.

...forestry, horticulture, gardening, agriculture, agricultural spreading, DIY, construction, highways…

<table>
<thead>
<tr>
<th>Cat</th>
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More than 80-percent of all hand and arm injuries are due to cuts and lacerations. Most of these can be traced to an object with sharp edges or slippery surfaces, we make gloves and protective sleeves that not only resist cuts, but are also comfortable to wear, ensuring compliance as well as safety.

High levels of dexterity and grip are also essential in the prevention of cuts. Our pioneering designs and innovations lead the field for these applications with next generation solutions.
Kevlar® by itself provides effective cut resistance. When reinforced with a stainless steel thread, it achieves outstanding levels of performance that allows safe handling of the sharpest glass, metals and tools. Coated with latex, nitrile or PVC, each glove provides a reliable grip or a level of protection suited to different types of work, together with the usual suppleness, light weight and ergonomic qualities of Showa gloves.

**S-TEX GP2 Nitrile**
**CUT LEVEL 4**
Softened polyester liner reinforced by single strand stainless steel. Nitrile coated palm. A high level cut 4 resistant liner reduces cuts and accidents. The grip finished nitrile on the palm allows grip in wet and dry conditions whilst giving improved lifespan when in contact with oils or chemicals. Soft polyester plating gives a cool and comfortable feel. Comfort and high dexterity means gloves can be worn for longer periods. Thereby offering protection and comfort for a full shift. ...steel industry, car manufacture, cabling, fluid cutting, press cutting...

**S-TEX GP1 Latex**
**CUT LEVEL 4**
Softened polyester liner reinforced by single strand stainless steel. Latex coated palm. A high level 4 cut resistant liner reduces cuts and accidents. The grip finished latex on the palm allows objects and tools to be gripped firmly in wet and dry conditions. Soft polyester plating gives a cool and comfortable feel. Comfort and high dexterity means gloves can be worn for longer periods. Thereby giving full shift protection, during delicate tasks. ...metalwork, woodwork, glass work, cropping, building metal frameworks...

**S-TEX KV3**
**CUT LEVEL 5**
Kevlar liner reinforced with stainless steel. Latex-coated palm. This latex-coated glove features a reinforced Kevlar liner, softened by using polyester. It far exceeds the maximum level of cut resistance specified by the EN 388 standard, while remaining very light and flexible. For all glasswork, metalwork or building and public works applications that require work gloves to be worn continuously. ...sheet metal work, die-stamping, cutting, cropping, glass industry, mirror making, metallic construction, hazardous recycling...
CUT PROTECTION

GP-KV2R
Nitrile Kevlar Grip
HIGH GRIP, NITRILE COATED
Seamless Kevlar liner.
Nitrile-coated palm.
Level 4 cut resistance. Knitted Kevlar version with a roughly finished nitrile coating. For more abrasive activities or those performed in a greasy environment.
...tasks involving cutting fluids or presses, steel industry, stamping, car manufacture and repair, cabling, plastic production...

GP-KV1
Kevlar Grip
HIGH GRIP, LATEX COATED
Seamless Kevlar liner.
Latex-coated palm.
Level 4 cut resistance. Knitted Kevlar version. The roughly finished latex on the palm allows objects and tools to be gripped firmly.
...glass industry, bottling, metalwork, building metal frameworks, cropping, warehouse handling, woodworking...

KV660
Kevlar Oil Resistant
CHEMICAL PROTECTION
PVC-dipped, seamless fine Kevlar liner.
Level 3 cut resistance. An impermeable glove that is resistant to chemicals and, in particular, hydrocarbons.
...refuse collection and sorting, decontamination work, drilling and boring, oilrigs, petrochemicals, fishing...

These gloves offer very high traction resistance: they must not be used where there is a risk of them being caught up in moving machinery.

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High-performance polyethylene (HPPE) comes into its own in all operations requiring both great dexterity and excellent mechanical protection. Despite the glove’s lightweight and supple design, this fibre offers solid resistance to cutting, abrasion and tearing. Polyurethane coatings are extremely supple and facilitate the hand’s movements. The Nitrile coatings prevent oily objects from slipping.

DS45 Sleeve
45 cm-long, elasticated and seamless HPPE Liner sleeve, which can be used with any glove in this range. Level 2 cut resistance.
…glass industry, metal industry, car manufacture, handling of large sheets of metal or glass…

These gloves offer very high traction resistance: they must not be used where there is a risk of them being caught up in moving machinery.

542
HIGH DEXTERITY PROTECTION
Seamless HPPE liner.
Polyurethane-coated palm.
Level 3 cut resistance. Flexible, light glove providing effective protection against cuts with high levels of resistance to abrasion.
Provides a high degree of comfort when performing delicate tasks in work environments that are greasy and where the risk of cuts is high.
…automotive, sheet metal work, electrical appliance assembly, precision mechanics, ceramics, white goods handling…

540X Fit
DEXTERITY
Uncoated, seamless HPPE liner for work requiring a sensitive touch and posing few mechanical risks. Can be used as an inner glove when working in wet or chemical environments.
Level 2 cut resistance.
…tool grinding, sharpening, inspecting the smooth finish of bodywork or planks, inner glove for waterproof gloves…

Cat | CE | Abrasion | Cut | Tear | Puncture | Sizes | Case Qty
---|----|---------|-----|------|----------|-------|--------
542 | II | 4 | 3 | 4 | 2 | 6/S, 7/M, 8/L, 9/XL, 10/XXL | 200
540X | II | 4 | 2 | 4 | 0 | 6/S, 7/M, 8/L, 9/XL | 200
DS45 | II | 4 | 2 | 4 | 0 | One size fits all | 120
8110 D-Flex
High performance Polyethylene and Spectra fibres.
The 10-gauge cut resistant material provides the wearer with a high cut protection level until the wrist, while it is fully launderable.
...food industry, glass industry...

8127 D-Flex plus
7-gauge for a higher cut level and more breathability.
...food industry, glass industry...

8115 T-Flex
High performance Polyethylene and Spectra fibres, plated with Lycra-Spandex and Thermax.
The 15-gauge cut resistant material provides the wearer with cut protection level and a comfortable stretch feel until the wrist, while it is fully launderable.
...food industry, glass industry...

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541 Palm Plus

HIGH DEXTERITY-PROTECTION

Seamless HPPE liner.
Polyurethane-coated palm.
Level 3 cut resistance. A glove that is supple and light, with a ventilated back and a grey colouring that does not show the dirt. Provides a high degree of comfort when performing delicate tasks in work environments that are greasy and where the risk of cuts is high.

...metal industry, bodywork, stamping, sheet metal work, electrical appliance assembly, precision mechanics…

These gloves offer very high traction resistance: they must not be used where there is a risk of them being caught up in moving machinery.
CUT PROTECTION

230 Aegis HP54
ENHANCED GRIP, NITRILE COATED
Seamless HPPE Liner.
Sponge Nitrile-coated palm.
Maximum level 5 cut resistance.
Flexible, lightweight glove providing maximum cut protection in dry, oily and greasy environments.
The lightly pebbled nitrile palm offers excellent grip and high levels of resistance to abrasion.
...mechanical industry, metalwork, glass industry, bottling, automotive, recycling...

250 Aegis KVS4
ENHANCED GRIP, NITRILE COATED
Aramid and Stainless Steel Liner.
Sponge Nitrile-coated palm.
Level 4 cut resistance. Flexible glove providing optimal cut protection in dry, oily and greasy environments. The lightly pebbled nitrile palm offers excellent grip and high levels of resistance to abrasion.
...mechanical industry, metalwork, glass industry, automotive...

545 Nitrile Palm Fit
HIGH GRIP
Seamless HPPE liner.
Nitrile-coated palm.
Level 2 cut resistance. Nitrile-coated version that is more resistant to oils and makes it easier to grip objects.
...machining of metallic parts with lubricants, milling with cutting fluid, glazing, scrap yards, canning...

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</table>
To protect the hands from direct contact with oils, hydrocarbons and corrosive substances, we provide the solutions to whatever conditions you may be working in. Our chemical resistance guide and website www.chemrest.com features chemical permeation and testing information for over 300 individual chemicals. Also of critical importance is the dexterity of the glove and the ability to correctly perform applications whilst wearing the gloves. Showa have pioneered flexible high dexterity chemical gloves thereby reducing the risk of chemical related accidents.
Hard wearing and resistant to acids, hydrocarbon derivatives and many chemicals, nitrile allows slippery objects to be gripped firmly and is the ideal material for intensive, precision work in wet environments. Showa Best offers different long-sleeve gloves with an antibacterial treatment.

720 Nitrile

**DEXTERITY**
Fine, seamless, nitrile-dipped polyester/nylon liner.
A fine, supple glove (1.1 mm thick) with a seamless liner and a rough surface, offering high chemical resistance and excellent protection against abrasion.
For demanding tasks that require manual exertion and complete control over tools or work materials.
...pharmaceutical or chemical industry, painting, plastering, industrial cleaning, decontamination work...

NSK24

Full nitrile coating on a cut-and-sewn cotton/polyester liner with extra rough coating over the entire hand.
The double nitrile coating provides an excellent chemical and abrasion resistance up to the forearm (356 mm long), while the cotton/polyester liner absorbs perspiration and adds comfort.
...fishing & agriculture, petro chemistry, chemical industry, solvents, hydrocarbons...

NSK26

640mm for protecting the entire arm
771 ARX Nitrile
MAX PROTECTION
Nitrile-dipped cut with a sewn cotton/polyester liner.
A very fine, supple glove (0.5 mm thick) with a rough surface, which achieves the highest level of resistance to chemicals and abrasion. Its sewn liner reinforces the glove without hindering movements. For delicate tasks requiring the fingers to work intensively. …handling of chemicals or oily substances, mechanics, building sites, industrial maintenance or cleaning…

772 ARX Nitrile long sleeve
Heat-bonded long-sleeve version (65 cm) with an elasticated seal, equipped with a ventilation eyelet. …packing of chemical substances, drilling and boring, spreading, shot and sand blasting, engine servicing…

707 Nitri-Dex*
707 is the perfect unlined nitrile “hybrid” glove between disposable N-DEX and the chemical resistant Nitri-Solve.
Tactile feel retained.
Approved for food use.
Optimal dexterity.
This 305 mm long and 0.23 mm thick nitrile “hybrid” glove protects the workers that do not only require chemical protection but also the fit, feel, and comfort of Best N-DEX disposable gloves. The tractor tread finish provides good grip.
…food industry, chemical industry, laboratory & pharmaceutical…

*Flock lined version also available.

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## 727 Nitri-Solve

**UNLINED NITRILE GLOVE WITH A BISQUE FINISH**

This 330 mm long and 0.38 mm thick nitrile glove provides good mechanical protection and chemical resistance against a broad range of solvents, oils, animal fats and other chemicals. The bisque finish provides excellent grip for the wearer.

...chemical industry, solvents, food industry...

---

## 730 Nitri-Solve

**FLOCKED VERSION**

Not chlorinated but the flock-liner adds comfort.

---

## 737 Nitri-Solve

**SLIGHTLY THICKER VERSION, WITH A LONG SLEEVE**

380 mm long for protecting the forearm and 0.56 mm thick for greater chemical resistance.

---

## 747 Nitri-Solve

**SLIGHTLY THICKER VERSION, WITH AN ELBOW-LENGTH SLEEVE**

480 mm long for protection up to the elbow and 0.56 mm for even more chemical resistance.

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### Cat EN 388 Standard

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N8 Chloroflex II
UNLINED NEOPRENE
455MM LONG 0.76MM THICK
The Neoprene provides protection from oils, acids, resins, alcohols, caustics and other petroleum-based materials. Ideal for applications including cleaning up oil spills, gear assembly and working with agricultural chemicals.
...Petro chemistry, refineries, chemical industry, solvents, acid components...

CHM Chem Master
NEOPRENE (BLACK) OVER
NATURAL RUBBER LATEX (BLUE)
ON A COTTON FLOCK LINED WITH
A TRACTOR TREAD FINISH
Provides excellent resistance to broad range of chemicals, the glove features a neoprene over natural rubber latex layering that also provides high levels of resistance to abrasion, tear and puncture.
...Petro chemistry, refineries, chemical industry, solvents, acid components, clean-up...

55 Natural Rubber Latex HD
UNLINED NATURAL RUBBER LATEX
1 MM THICKNESS AND 380 MM LENGTH
This heavy-duty chemical resistant glove is ideal for dip tank applications where acids are used.
...chemical industry, solvents, food industry...

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6784 Best Neoprene
355 MM REINFORCED SAFETY CUFF FOR PROTECTING THE FOREARM
A flexible glove that offers good dexterity with excellent resistance to tearing. The neoprene coating and reinforced safety cuff provides protection from oils, hydrocarbons, grease and abrasion, with unrivalled, long lasting grip. 305mm long. ...Petro chemistry, refineries, chemical industry, solvents, acid components, oil rigs...

6784R Neo Grab
Rough finish version of the 6784. For an enhanced grip in wet or dry environments. 305mm long.
CHEMICAL PROTECTION

892 Best Viton II
UNLINED VITON OF 0,30 MM THICKNESS AND 300 MM LENGTH WITH A SMOOTH FINISH
PCB resistant
Hydrocarbon resistant
Heavy-duty yet flexible, Best Viton gloves were developed for the highest chemical resistance barrier to aromatic hydrocarbons such as benzene, toluene or xylene and to most chlorinated solvents and aliphatic hydrocarbons. …petro chemistry, chemical industry, PCR’s…

890E Best Vorton
0,70 mm thickness for a higher chemical resistance and 350 mm length for protecting the forearm.

874 Best Butyl II
UNLINED BUTYL OF 0,35 MM THICKNESS AND 350 MM LENGTH WITH A SMOOTH FINISH
Butyl provides superior resistance to highly corrosive acids and is excellent for handling ketones and esters. This synthetic rubber also provides the highest permeation resistance to gases and water vapors. Moreover, butyl provides an excellent tactility and dexterity.

874R Best Butyl II
Rough finish version of the 874 for an enhanced grip in wet or dry environments

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660 Oil Resistant
MAXIMUM PROTECTION, DEXTERITY
Ultra supple, seamless, PVC dipped cotton lined glove that provides protection from a wide spectrum of chemicals and oils. Rough surface allows objects to be gripped firmly in wet and oily environments. Available in 3 lengths: 30cm, 34cm, 36cm.
…drilling and boring, petrochemicals, fuel transport, oil rings, mechanics, public works, fishing…

690 Oil Resistant
Extended bonded sleeve version (60cm) with an elasticated border.
…dipping, decontamination work, sewer cleaning…

660ESD Oil Resistant
ANTISTATIC
Antistatic version that protects the objects or products handled from static electricity, thanks to its special coating and nylon liner (surface resistivity to 108 and 109 according to EN 1149-1).
…flammable, explosive substances, petrochemicals, aircraft refuelling…

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The human body, including the hand, charges itself with electrical charges. These charges can damage components (like semiconductors or printed circuit boards). That is why Showa Best Glove offers a complete range of gloves to protect these components against static electricity. Select the right liner and the right quality. The liner prevents electrostatic charges from migrating from the hand to the handled objects by channelling them towards the body to be dispersed in the air and discharged into the ground.

Because polyurethane is not dissipative, the dissipative acrylic fibre is placed at the surface of the knit and protrudes from the coating to give the glove the same surface resistivity in the knitted and coated areas.

Warning: simply wearing gloves is not enough to protect these products, they must be combined with other antistatic equipment. Depending on the size and structure of the objects you are handling, the wearer requires another liner resulting in a different antistatic protection (resistivity ranging between $10^5$ and $10^7$ or between $10^6$ and $10^8$). Created for high-technology Japanese companies, these widely used gloves have already proven their effectiveness.
An attractive price/performance ratio for a glove with a resistivity of $10^5/10^7 \, \Omega$, which covers the most commonly required antistatic protection range: its special liner is comprised of a DX thread, made from acrylic coated in copper sulphide, braided and alternated with a less costly nylon thread. Microporous polyurethane reinforces the glove’s resistance to abrasion and allows the hand to breathe, while protecting it from micro-cuts.

A complete range

On the next few pages, Showa presents three families of gloves whose liner prevents the electrostatic charges that gather on the hand from migrating to objects, by channelling them towards the body to be dispersed in the air and discharged into the ground*. Each liner provides specific electrostatic protection, or surface resistivity, measured in ohms/square (Ω). Created for high-technology Japanese companies, these widely used gloves have already proven their effectiveness.

*assembly, goods handling, inspection, cleaning, repairs on electrical, IT and optical components, microchips, semiconductors, computers, printed circuits, telecom equipment, digital or magnetic media, flammable plastics, clean rooms**...

* That is why simply wearing gloves is not enough to protect products. They must be combined with other antistatic equipment: grounded floor, smock, shoes, etc.

** Clean Packed versions: gloves decontaminated by rinsing in ultra-pure water and bagged in a class 100 (ISO 5) clean room (fewer than 100 0.5 μ particles in 0.03 m³). The bags must be opened in an ultra-clean environment.
**A0160 Top Fit**

**MAXIMUM DEXTERTY**

Version on which the coating is restricted to the fingertips, which are more vulnerable to cuts and puncturing. Also protects the liner by preventing objects from hooking onto the mesh. Ideal for delicate tasks.

**A0150 Fit**

**ENHANCED GRIP & FEEL**

Uncoated seamless liner version. For operations where mechanical protection is not essential.

---

<table>
<thead>
<tr>
<th>Cat</th>
<th>EN 388 Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CE</td>
</tr>
<tr>
<td>A0150</td>
<td>II</td>
</tr>
<tr>
<td>A0160</td>
<td>II</td>
</tr>
<tr>
<td>A0170</td>
<td>II</td>
</tr>
</tbody>
</table>
Burns to the hand and forearm can result in irreparable scar tissue. Prevent pain and scars by protecting yourself with heat resistant gloves. CharGuard and Insulated Neo Grab protect up to 260° C.
HEAT PROTECTION

8814 Charguard
MAXIMUM PROTECTION, NON-SLIP GRIP
Neoprene spray coating on a comfortable non-woven liner with a slip-on design.
The heat resistant coating offers protection against contact heat up to 260°C over the full 355mm length.
This coating provides a “no-slip” grip and excellent abrasion resistance, while the black color extends its wearable life since it doesn’t show dirt or charring.
...food industry, bakeries, serving hot food, metallurgical industry, handling of hot metal sheets, castings...

6781R Insulated Neo Grab
MAXIMUM PROTECTION
Full neoprene coating applied to a triple-layer construction of foam insulation between a layer of cotton jersey liner and cotton interlock liner.
...metallurgical industry, automotive, petrochemistry, refineries, chemical industry, solvents...

<table>
<thead>
<tr>
<th>Cat</th>
<th>EN 388 Standard</th>
<th>EN 407</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE</td>
<td>Abrasion</td>
<td>Cut</td>
</tr>
<tr>
<td>6781R</td>
<td>III</td>
<td>3</td>
</tr>
<tr>
<td>8814</td>
<td>II</td>
<td>3</td>
</tr>
</tbody>
</table>
The human body is in a comfortable situation when the heart is beating at a regular speed. This happens at an average blood temperature of 37° C. Using the right cold protection equipment is not a luxury. It will protect the wearer against cold blisters, slipping and excessive cold, while providing a satisfying level of comfort and protection. Showa Best gloves provide unrivalled levels of dexterity and flexibility while retaining their performance in extreme conditions.
A robust glove manufactured using Best’s patented technique of dipping a fine liner. Available in a number of versions to suit different work applications. PVC is highly abrasion resistant and is the material that offers the best protection against oils and chemicals, in particular bases, acids and crude oil derivatives, thanks to a special hydrocarbon treatment.

73 Insulated Super Flex

**ENHANCED GRIP**
PVC coating on triple-layered construction of foam insulation between a layer of cotton jersey liner and cotton interlock liner. The flexible wrinkle-finish PVC coating resists chemicals and abrasion and provides good grip in wet and dry conditions. The foam insulation provides protection from cold whilst locking in warmth. In addition the knit wrist adds flexibility to the hand. 290mm.

...transport & logistics, cold storage, chemical industry, acid components...

75 Insulated Super Flex

305mm reinforced Gauntlet for protecting the hand until the wrist.

76 Insulated Super Flex

290mm reinforced safety cuff for protecting the forearm.
460 Cold Resistant

**WATERPROOF**

Fine PVC-dipped seamless liner. A thin glove (1.1 mm thick) with a long sleeve and a rough surface, which is resistant to oils and chemicals and retains all its suppleness down to -20°C. Fixed acrylic lining that is as warm as it is comfortable.

...cold store work, refrigerated warehouses and lorries, building work, fishing...

490 Cold & Oil Resistant

**HYDROCARBON-TREATED**

Slightly thicker version (1.5 mm) with a fixed acrylic lining and enhanced chemical protection.

...chemistry, petro chemicals, oilrigs, refrigerated warehouses, cold-water scuba diving, arctic fishing...

<table>
<thead>
<tr>
<th>CE</th>
<th>EN 511 Standard</th>
<th>EN 388 Standard</th>
<th>EN 374-3 Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>convective cold</td>
<td>contact cold</td>
<td>impermeable to water</td>
</tr>
<tr>
<td>460</td>
<td>III 1 2 1</td>
<td>3 2 2 1</td>
<td>6</td>
</tr>
<tr>
<td>490</td>
<td>III 1 2 1</td>
<td>3 2 2 1</td>
<td>6</td>
</tr>
<tr>
<td>73</td>
<td>III 1 1 0</td>
<td>4 1 2 1</td>
<td>0</td>
</tr>
<tr>
<td>75</td>
<td>III 1 1 0</td>
<td>4 1 2 1</td>
<td>0</td>
</tr>
<tr>
<td>76</td>
<td>III 1 1 0</td>
<td>4 1 2 1</td>
<td>0</td>
</tr>
</tbody>
</table>
Best is one of the most accomplished innovators and manufacturers of disposable hand protection ever. The first to create disposable nitrile and accelerator-free nitrile hand protection – we offer the broadest line of disposable choices available within the industry. Setting the standard for others to follow we continue to lead with high comfort and performance while cost in use remains low.
The patented low modulus formula of N-DEX gloves results in unparallelled comfort, dexterity and a significant reduction in hand fatigue.

7005PF
- Powder-free
- 0.10 mm thick and 240 mm long
- Rolled cuff
- Smooth finish
- Ambidextrous

...light assembly, automotive, electrical components, laboratory & pharmaceutical, petrochemistry...

7005
- Lightly powdered
- 0.10 mm thick and 240 mm long
- Rolled cuff
- Smooth finish
- Ambidextrous for ease of use

is7005PF
- Powder-free
- Silicone-free and chlorinated
- 0.10 mm thick and 240 mm long
- Rolled cuff
- Smooth finish
- Ambidextrous

...paint spraying, light assembly, electrical components, food industry...

<table>
<thead>
<tr>
<th>Cat</th>
<th>CE</th>
<th>Sizes</th>
<th>Gloves per Dispenser</th>
<th>Case Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>7005PF</td>
<td>III</td>
<td>6-7/S, 7-8/M, 8-9/L, 9-10/XL</td>
<td>100</td>
<td>20</td>
</tr>
<tr>
<td>7005</td>
<td>III</td>
<td>6-7/S, 7-8/M, 8-9/L, 9-10/XL</td>
<td>100</td>
<td>20</td>
</tr>
<tr>
<td>is7005PF</td>
<td>III</td>
<td>6-7/S, 7-8/M, 8-9/L, 9-10/XL</td>
<td>100</td>
<td>20</td>
</tr>
</tbody>
</table>
These N-DEX quality gloves protect the patient, the medicine and every wearer against bloodborne diseases like MRSA, HIV, Bird Flu and Swine Flu and against hazardous powders like Anthrax.

In order to pass the testing for compliance with NFPA 1999 Standard on Protective Clothing for Emergency Medical Operations, these N-DEX gloves have to pass the ASTM F 1671 using the Phi-X174 bacteriophage penetration as a test system. This is the model viral particle we have utilized for testing in our complete N-DEX family of products for protection from Blood-Borne Pathogens. This model virus is 27 nanometers in size and is much smaller than all bloodborne diseases mentioned before.

**6005PF**
N-DEX Medical Exam
- 0.10 mm thick and 240 mm long
- Powder free
- Smooth finish
- Rolled cuff
- Ambidextrous
…medical examination, dentists, hospitals, first aid, emergency medical services…

**9905PF**
N-DEX Ultimate
- 0.15 mm thick and 280 mm long
- Smooth finish
- Powder-free
- Ambidextrous

**6205PF**
N-DEX Because We Care
A percentage of our proceeds are donated to breast cancer institutes
- 0.10 mm thick and 240 mm long
- Powder free
- Protects against chemodrugs like Doxorubicin Hydrochloride, Toposar, Adrucil, Taxol, Cisplatin and Methotrexate
- Smooth finish and rolled cuff
- Ambidextrous
- Chemotherapy Approved
…laboratories, hospitals, tattoo shops, public sector…

<table>
<thead>
<tr>
<th>Cat</th>
<th>CE</th>
<th>Sizes</th>
<th>Gloves per Dispenser</th>
<th>Case Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>6005PF</td>
<td>EN455</td>
<td>5-6/XS, 6-7/S, 7-8/M, 8-9/L, 9-10/XL</td>
<td>100</td>
<td>20</td>
</tr>
<tr>
<td>9905PF</td>
<td>EN455</td>
<td>5-6/XS, 6-7/S, 7-8/M, 8-9/L, 9-10/XL</td>
<td>50</td>
<td>20</td>
</tr>
<tr>
<td>6205PF</td>
<td>EN455</td>
<td>5-6/XS, 6-7/S, 7-8/M, 8-9/L, 9-10/XL</td>
<td>100</td>
<td>10</td>
</tr>
</tbody>
</table>
DISPOSABLE GLOVES

ACCELERATOR FREE

The world’s first accelerator free disposable nitrile glove!

i7705PFT
N-DEX Free

- Loved by sensitive hands
- 0,10 mm thick and 240 mm long
- Rolled cuff and textured finish
- Ambidextrous for ease of use
- Powder-free
- High visibility colour for colour-coded operations

... mechanical industry, light assembly, chemical industry, laboratory and pharmacy, petrochemistry...

9500PF
N-DEX Free Ultimate

- 0,13 mm thick and 280 mm long
- Rolled cuff and smooth finish
- Powder-free
- High visibility colour for colour-coded operations
- Ambidextrous for ease of use

7700PFT
N-DEX Nighthawk

- 0,10 mm thick and 240 mm long
- Rolled cuff and textured finish
- Powder-free
- Ambidextrous for ease of use
- Low soil colour
- Antistatic properties: surface resistivity between $10^8$ and $10^{12} \, \Omega$ (in-house test)

... mechanical industry, light assembly, automotive, electrical components, police & army, CSI...

9700PF
Nighthawk Defender

- 0,15 mm thick and 280 mm long
- Rolled cuff and smooth finish
- Powder-free
- Ambidextrous for ease of use
- Low soil colour
- Antistatic properties

N-DEX quality:

Free from the accelerators common in disposable nitrile gloves, which have been linked to workplace conditions like Type IV dermatitis.

Free from natural rubber latex and proteins linked to Type 1 allergic reactions.

“Skin friendly”.

---

<table>
<thead>
<tr>
<th>Cat</th>
<th>CE</th>
<th>Sizes</th>
<th>Gloves per Dispenser</th>
<th>Case Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>17705PF</td>
<td>III</td>
<td>6-7/S, 7-8/M, 8-9/L, 9-10/XL</td>
<td>100</td>
<td>20</td>
</tr>
<tr>
<td>9500PF</td>
<td>EN455</td>
<td>5-6/XS, 6-7/S, 7-8/M, 8-9/L, 9-10/XL</td>
<td>50</td>
<td>20</td>
</tr>
<tr>
<td>7700PF</td>
<td>III</td>
<td>6-7/S, 7-8/M, 8-9/L, 9-10/XL</td>
<td>50</td>
<td>20</td>
</tr>
<tr>
<td>9700PF</td>
<td>III</td>
<td>6-7/S, 7-8/M, 8-9/L, 9-10/XL</td>
<td>50</td>
<td>20</td>
</tr>
</tbody>
</table>
DISPOSABLE GLOVES

N-DEX quality with double thickness for double protection

8005PF
• Powder-free
• 0.20 mm thick and 240 mm long
• Rolled cuff and smooth finish
• Ambidextrous

…medical examination, dentists, hospitals, first aid, emergency medical services…

8005
• Lightly powdered
• 0.20 mm thick and 240 mm long
• Rolled cuff and smooth finish
• Ambidextrous

…petro chemistry, painting, automotive, mechanical industry…

is8005PF
Silicone Free
• Powder-free
• Silicone-free and chlorinated
• 0.20 mm thick and 240 mm long
• Rolled cuff and smooth finish
• Ambidextrous

C9905PF
Clean Dex
0.12 mm thick and 305 mm long
Rolled cuff and textured fingertips
• Powder-free
• Ambidextrous
• White color for clean room where high standards of industrial hygiene are required
• Available in “Clean packed” version: gloves decontaminated by rinsing in ultra-pure water and bagged in a class 100 clean room (fewer than 100 0.5 μ particles in 0.03 m3); these bags must be opened in an ultra-clean environment

…electrical components, quality control, clean rooms pharmaceutical…

<table>
<thead>
<tr>
<th>Cat.</th>
<th>CE Sizes</th>
<th>Gloves per Dispenser</th>
<th>Case Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>8005PF</td>
<td>EN455: 5-6/XS, 6-7/S, 7-8/M, 8-9/L, 9-10/XL</td>
<td>50</td>
<td>20</td>
</tr>
<tr>
<td>8005</td>
<td>III</td>
<td>6-7/S, 7-8/M, 8-9/L, 9-10/XL</td>
<td>50</td>
</tr>
<tr>
<td>is8005PF</td>
<td>III</td>
<td>6-7/S, 7-8/M, 8-9/L, 9-10/XL</td>
<td>50</td>
</tr>
<tr>
<td>C9905PF</td>
<td>I</td>
<td>6-7/S, 7-8/M, 8-9/L, 9-10/XL</td>
<td>100 (Poly bag)</td>
</tr>
</tbody>
</table>
EUROPEAN STANDARDS FOR PPE

CE CATEGORIE

European Directive 89/686/EEC

CATÉGORIE I Minor risks.
CATÉGORIE II Reversible risks (injury), certified compliant by a notified body.
CATÉGORIE III Irreversible risks (corrosion), certified compliant and tested by a notified body whose number is specified.

EN 420

General requirements and test methods

• Technical information
• Glove markings
• Sizes
• Level of dexterity (1 to 5)
• Innocuousness of the glove

EN 374-2

Protection against Microorganisms

The glove is considered to be resistant to microorganisms if it has successfully undergone the penetration test (air and/or water leak test) and if it meets at least level 2 of the penetration test.

EN 374-3

Chemical risks

The level (0 to 6) indicates the time required for different chemicals to permeate through the glove. To find out the chemical resistance of the materials used by Showa Best Glove, consult the Chemrest website (www.chemrest.com) or contact Globus.

<table>
<thead>
<tr>
<th>Measured breakthrough time</th>
<th>Permeation performance index</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 10</td>
<td>1</td>
</tr>
<tr>
<td>&gt; 30</td>
<td>2</td>
</tr>
<tr>
<td>&gt; 60</td>
<td>3</td>
</tr>
<tr>
<td>&gt; 120</td>
<td>4</td>
</tr>
<tr>
<td>&gt; 240</td>
<td>5</td>
</tr>
<tr>
<td>&gt; 480</td>
<td>6</td>
</tr>
</tbody>
</table>

If the glove shows the first symbol, it has achieved a performance index at least equal to 2 for three of the chemicals listed below:

<table>
<thead>
<tr>
<th>Letter code</th>
<th>Chemical</th>
<th>CAS number</th>
<th>Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Methanol</td>
<td>67-56-1</td>
<td>Primary alcohol</td>
</tr>
<tr>
<td>B</td>
<td>Acetone</td>
<td>67-64-1</td>
<td>Ketone</td>
</tr>
<tr>
<td>C</td>
<td>Acetonitrile</td>
<td>75-05-8</td>
<td>Nitrile</td>
</tr>
<tr>
<td>D</td>
<td>Dichloromethane</td>
<td>75-09-2</td>
<td>Chlorinated hydrocarbon</td>
</tr>
<tr>
<td>E</td>
<td>Carbon disulphide</td>
<td>75-15-0</td>
<td>Organic compound</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>containing sulphur</td>
</tr>
<tr>
<td>F</td>
<td>Toluene</td>
<td>108-88-3</td>
<td>Aromatic hydrocarbon</td>
</tr>
<tr>
<td>G</td>
<td>Diethylamine</td>
<td>109-88-7</td>
<td>Amine</td>
</tr>
<tr>
<td>H</td>
<td>Tetrahydrofurane</td>
<td>109-99-9</td>
<td>Heterocyclic ether</td>
</tr>
<tr>
<td>I</td>
<td>Ethyl acetate</td>
<td>141-78-6</td>
<td>Ester</td>
</tr>
<tr>
<td>J</td>
<td>n-Heptane</td>
<td>142-85-2</td>
<td>Saturated hydrocarbon</td>
</tr>
<tr>
<td>K</td>
<td>Caustic soda 40%</td>
<td>1310-73-2</td>
<td>Inorganic base</td>
</tr>
<tr>
<td>L</td>
<td>Sulphuric acid 96%</td>
<td>7664-93-9</td>
<td>Inorganic mineral acid</td>
</tr>
</tbody>
</table>

EN 388

Mechanical risks

Tested and specified levels of resistance to the following risks:

• ABRASION (0 TO 4): number of cycles required to abrade through the glove at a constant speed.
• CUT (0 TO 5): index calculated based on the number of cycles required to cut through the glove at a constant speed.
• TEAR (0 TO 4): force required to tear the glove.
• PUNCTURE (0 TO 4): force required to puncture the sample with a standard steel punch.

"X" means that the test was not performed or not possible.
EN 455-1
Best Manufacturing N-DEX® medical gloves are manufactured in an ISO 9001:2000 quality certified facility and meet the 1.5 Acceptance Quality Limit (AQL), required by the European Standard EN 455-1. The Acceptance Quality Limit (AQL) is a statistical standard defined by industry organisations, customers and manufacturers. Inspection levels or sampling plans are defined to determine pass or failure during quality controls. The lower the Acceptance Quality Limit, the more consistent the product quality will be. The larger the sampling plans (inspection levels) the lower the chance of overlooking defective product batches.

EN 455-2
Requirements and testing for physical properties
It is crucial to get the glove size right for maximum dexterity.
Here are a few recommendations to help you in finding the right size of gloves you need.

### Color-coded cuff

Some styles of Showa Best Glove have a color-coded cuff. These cuffs enable the size recognition in the factory and the pairing after washing the gloves.

### Testing prior to using

If the glove is too small, it cuts off the blood circulation and restricts the movement of the hand. On the contrary, loose gloves slip off at the slightest movement and make your handling very imprecise. To be sure of your size and fit contact Globus.

<table>
<thead>
<tr>
<th>Glove size further to EN420</th>
<th>Hand (mm)</th>
<th>Glove (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Palm circumference</td>
<td>Length</td>
</tr>
<tr>
<td>6</td>
<td>152</td>
<td>160</td>
</tr>
<tr>
<td>7</td>
<td>178</td>
<td>171</td>
</tr>
<tr>
<td>8</td>
<td>203</td>
<td>182</td>
</tr>
<tr>
<td>9</td>
<td>229</td>
<td>192</td>
</tr>
<tr>
<td>10</td>
<td>254</td>
<td>204</td>
</tr>
<tr>
<td>11</td>
<td>279</td>
<td>215</td>
</tr>
</tbody>
</table>

Place your right hand on the diagram: the blue line should be between your thumb and index finger. The size is indicated on the right.
Polymers protect against chemical hazards. These chemicals will degrade, permeate (EN374-3) and penetrate through the polymer (EN374-2). The resistance of the polymer against dangerous chemicals is caused by the polymer itself, by its thickness and by the quality of the polymer. However, there exists no polymer that protects against all chemicals at once.

The website [www.chemrest.com](http://www.chemrest.com) features all the information needed to select the most applicable chemical resistant glove for specific, potentially hazardous applications.

The Chemrest website contains easy-to-read chemical resistance data from over 25000 conclusive tests. About 30 Best products have been tested into 300 pure chemicals or chemical mixtures. It includes rankings from the most effective protection for that particular chemical to least effective. It lists the breakthrough times (permeation) further to EN374 and the weight loss (degradation) and the US protection levels further to ASTM F739 Method for Heavy Exposure and the ASTM F1383 Method for Intermittent Contact. Moreover, it indicates toxicity, NFPA health, flammability, reactivity and cancer status information for these 300 chemicals.

For support with your chemical handling tasks contact Globus on 0161 877 4747 or sales@globus.co.uk
How to use the Chemrest website

The user of the Chemrest website can either pick the name or the CAS number of the chemical in the dropdown list to find the appropriate chemical hand protection. Vice versa, the glove used can be selected to find out about the chemicals it is protecting against.

Customized Chemrest testing

If the user of the Chemrest website cannot find the glove or chemical in the drop-down list, it may be possible to analyze the specific chemical or chemical mixture with our permeation testing equipment.*

*A charge for bespoke testing may be applicable