PROTECTIVE INDUSTRIAL PRODUCTS
BRINGING THE BEST OF THE WORLD TO YOU

PIP is jointly owned by the families of Joe Milot, President, and his partner, Wellson Tao. Initially started as a supplier of work gloves, today we are a global provider of a vast array of consumable personal protective equipment (PPE) to multiple industries and channels of distribution.

WE FIND REASONS TO SAY “YES” TO CUSTOMERS
WE PLACE THE CUSTOMER EXPERIENCE ABOVE ALL ELSE. WE SUCCEED AT HELPING DISTRIBUTORS ENHANCE THEIR PRODUCT OFFERING, WHILE MAINTAINING THE ABILITY TO PROVIDE CUSTOMERS WITH COMPETITIVELY PRICED, QUALITY SAFETY PRODUCTS.

A GLOBAL PROVIDER OF INNOVATIVE SAFETY PRODUCTS
As the referenced leader in hand protection, we continue to expand our above-the-neck, electrical, traffic safety and first responder product lines
• Three manufacturing facilities along with three distribution centers in the US
• Export operation from Asia/Pacific to over 10 sales and distribution subsidiaries around the world
• Expertise in sourced manufacturing driven by a team of technical product managers and on-site quality inspection personnel
• R&D capabilities include specialty yarns and seamless knitting technology, joint development in new lens/fly applications in eyewear, as well as ergonomic garment design

AN EASE OF DOING BUSINESS
We strive to be the easiest company that our customers do business with in any industry.

OUR PEOPLE
We employ people trained and experienced in the business and recognized among the best in the industry.
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### SPECIALISED TEXTILES GLOVES

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UNDERSTANDING CUT SCORES

PIP GLOVES ARE TESTED TO THE ANSI 105 AND THE EN 388 STANDARD.

Both standards test gloves for Abrasion, Cut, Tear and Puncture. While compliance is not mandated in the U.S., safety managers demand that products are tested and labeled in order to select the best possible equipment for the job being performed.

The European Union (EU) developed a standards and regulatory body that requires anyone wanting to sell products in Europe to attain the CE (Conformité Européenne) compliance/ marking through the performance testing described in EN 388 “Protective Gloves Against Mechanical Risks.” EN 388 is widely recognized internationally.

PIP tests all cut resistant gloves at recognized labs and our test facility in Minnesota.

CONVERT NEWTONS TO GRAMS

PIP has been testing all of its cut resistant gloves with the TDM-100 machine since 2005, which is (and has been) compliant with the new test method, enabling us to easily convert to the new EN 388 2016 standard.

The table below illustrates how the new EN 388 2016 standard is now in line with the ANSI/ISEA 105 standard for cut resistance when converting Newtons to grams.
GENERAL PURPOSE GLOVES

G-Tek® Ruffian - Nitrile coated palm & fingers with sand finish on grey seamless knit 15 gauge nylon liner, medium weight with good grip and abrasion resistance

- Seamless knit Nylon liner for greater comfort and dexterity.
- Micro - cup finished Nitrile coated palm and fingers for good grip wet & dry and abrasion resistance.
- Breathable back for humidity control and comfort.
- High quality fully knitted cuff for positional stability.
- Pairs in sealed packs for hygiene & ease of distribution.

APPLICATIONS:
- Electronic Assembly
- Manufacturing
- Quality Control
- Picking / Packing
- General Assembly
- General Yard Work

Sizes 7 to 11; Available in Cartons of 144 Pair or Packs of 12 pair

G-Tek® Force - Latex Rubber dipped on palm and fingers, Crinkle finish coating for enhanced grip strength. Seamless Grey premium knit 13 gauge cotton liner, full thumb coating.

- Cut Level 2 performance
- Cushions and Protects from physical hazards such as cut, puncture, snag and abrasion.
- Superior Grab and Hold Force provided by the unique crinkle finish.
- Premium blend rubber coating for Wet and Dry applications
- Ergonomic Shaped curved finger pattern.
- Uncoated cotton back allows hand to breathe

APPLICATIONS:
- Electronic Assembly
- Manufacturing
- Quality Control
- Picking / Packing
- General Assembly
- General Yard Work

Sizes 6 to 10; Available in Cartons of 72 Pair or Packs of 12 Pair
GENERAL PURPOSE HIGH DEXTERITY GLOVES

GuardTek® 34-425Neo High Dexterity Perfect Fit work gloves with unique Skin Contouring Technology for absolute perfect fit and feel. Maximum wearer comfort and sensitivity provided by these next generation work gloves.

- Precise Fit for every hand – Skin Contouring technology allows the glove to mould to your individual hand shape.
- Breathable micro-porous Neo-Foam coated palm and fingers for exceptional tactile sensitivity and maximum dexterity.
- Anti Microbial infusion with high water vapour transmission keeps hands cool and hygienically dry.
- Abrasion and Tear resistant to a higher level than traditional leather gloves while providing an un-restricted “second skin” fit and feel.
- UPF 50+; Touch Screen Functionality; Bio-Degradable Vendor Ready Packaging

APPLICATIONS:
- Automotive Assembly
- Metal & Timber Handling
- Mechanical / Maintenance
- Building & Construction
- Mining & Exploration
- Shipping & Warehousing

*Sizes 6 to 12; Available in Cartons of 144 Pair or Packs of 12 Pair

GuardTek® SuperSkin Oil assembly glove is Liquid and Grease resistant. Designed to provide our unique Skin Contouring Technology fit and feel, while stopping the movement of liquids through the glove coating. These special thinly dipped coated 15 gauge gloves allow the wearer to work with complete finger-tip sensitivity and enhanced grip control in Wet and Oily environments.

- Precise Fit from our patented Guardtek Skin Contouring Technology; these liquid resistant gloves fit like a protective skin allowing for detailed manipulation on mechanical machinery.
- Liquid, Oil, Grease resistant for duties requiring tactile sensitivity with good wet grip and hand protection from contaminated fluids.
- Anti-Microbial inner glove treatment to keep gloves hygienically sanitized for longer.

APPLICATIONS:
- Automotive Service and Assembly
- Machinery Adjustments and Operation
- Technical Service and Installations
- Irrigation and Plant Operators
- Plumbing, Concreting and Wet Works

*Sizes 7 to 12; Available in Cartons of 144 Pair or Packs of 12 Pair
G-Tek® SuperLite gloves introduce an ultra fine stockinette material into the P.I.P family of exceptional fit and feel gloves. New comfort blend of seamless knit 18 gauge nylon liner coated with new waterborne Polymer PU for precise micro assembly work.

- **New Technology PPU** Coating provides superior skin contact comfort with exceptional tactile sensitivity compared to standard PU Coating.
- **Touch screen compatible** (Tablet, Smartphone etc). No need to remove your gloves to answer your phone.
- Seamless knit super fine liner for maximum sensitivity and control.
- **Maximum UV Protection** from Indigo Blue coloured liner.

**APPLICATIONS:**
- General Maintenance
- Micro Engineering
- Mining Workshop and Administrative Applications
- Building & Construction
- Manufacturing & Assembly
- Aerospace & Automotive

*Sizes 7 to 11; Available in Cartons of 144 Pair or Packs of 12 Pair

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GuardTek® SuperSkin HVO High Dexterity Perfect Fit work gloves with unique Skin Contouring Technology for absolute perfect fit and feel. Maximum wearer comfort and sensitivity provided by these next generation work gloves.

- **Hi Vis Orange Reflective** Seamless knit Poly/Spandex liner with reflective strip for greater visibility & dexterity for day or night work.
- **Precise Fit for every hand** movement activated technology allows the glove to mould to your individual hand shape.
- **Breathable micro-porous nitrile** coated palm and fingers for exceptional tactile sensitivity and maximum dexterity.
- **Anti Microbial infusion** with high water vapour transmission keeps hands cool and hygienically dry.

**APPLICATIONS:**
- Automotive Assembly
- Metal & Timber Handling
- Mechanical / Maintenance
- Building & Construction
- Mining & Exploration
- Shipping & Warehousing

*Sizes 7 to 12; Available in Cartons of 144 Pair or Packs of 12 Pair
GuardTek® SuperSkin High Dexterity Perfect Fit work gloves with unique Skin Contouring Technology for absolute perfect fit and feel. Maximum wearer comfort and sensitivity provided by these next generation work gloves.

- Precise Fit for every hand – Skin Contouring technology allows the glove to mould to your individual hand shape.
- Breathable micro-porous nitrile coated palm and fingers for exceptional tactile sensitivity and maximum dexterity.
- Anti Microbial infusion with high water vapour transmission keeps hands cool and hygienically dry.
- Abrasion and Tear resistant to a higher level than traditional leather gloves while providing an un-restricted “second skin” fit and feel.

APPLICATIONS:
- Automotive Assembly
- Metal & Timber Handling
- Mechanical / Maintenance
- Building & Construction
- Mining & Exploration
- Shipping & Warehousing

*Sizes 6 to 12; Available in Cartons of 144 Pair or Packs of 12 Pair
GuardTek® CUT-3 gloves represent an evolution in hand protection design and manufacture. Fully breathable micro-porous coating on cut resistant Hi-Viz HPPE fibre seamless knit liner. Skin Contouring Technology providing Precision dexterity with very comfortable fit and feel for Low to Medium Cut Protection.

- **Precise palm and finger fit** with minimal restriction or obstruction of movement.
- **Cut 3 protection** with superior flexibility and breathability.
- **Antimicrobial treated liner** for extra protection.
- **Lightweight and comfortable** to wear.
- **High water vapour transmission** keeps hands Cool & Dry.
- **Patented Micro-porous nitrile coating** over cut resistant fibres.

**APPLICATIONS:**
- Machinery maintenance
- Glass Handling
- Metal Handling
- Food Processing
- Meat Processing
- General Assembly

*Size 7 to 11; Cartons of 72 Pairs or Packs of 12 Pair

GuardTek® Cut 5YE Hi Vis Skin Contouring Technology High Performance 15 Gauge liner provides unparalleled levels of soft feel comfort and precise fit sensitivity. Fully breathable micro-porous coating on Maximum Cut Resistant Hi-Vis HPPE / Glass fibre seamless knit liner. Extreme protection, comfort and performance.

- **Cut Level C protection** from a hand formed close fitting liner minimising any hand fatigue or resistance of movement for all day wear.
- **Anti Microbial** treated liner for Hygiene and reduced Bacteria Odour.
- **Amazing dexterity and sensitivity** from new Skin Contouring seamless knit construction liner combined with unique GuardTek coating.
- **High water vapour transmission** keeps hands Cool & Dry.
- **Hi-Vis Yellow Liners** for maximum visibility and safety.

**APPLICATIONS:**
- Mining resource
- Construction & Fabrication
- Glass panel Assembly and Fixing
- Automotive Mechanical and Service
- Detailed or Heavy Assembly Work
- Metal Folding and Roof fixing
- Machinery Maintenance

*Sizes 7 to 11; Cartons of 72 Pair or Packs of 12 Pair
CUT RESISTANT GLOVES

G-Tek® 16-333 Polykor™
Designed for Light to Medium Cut Hazard Risks
13 Gauge PolyKor Comfort Soft Liner
ISO 13997 Cut Rating level C

- Seamless construction offers increased comfort and breathability
- PolyKor™ shell is lightweight and provides excellent dexterity, tactile sensitivity and cut resistance
- Single dipped nitrile micro-surface coated palm and fingertips help extend the life of the glove and provide excellent abrasion resistance
- Knit wrist helps prevent dirt and debris from entering the glove

APPLICATIONS:
- Fabrication and Construction
- Glass cutting and manufacture
- Sheet metal handling
- General duty
- Parts assembly
- Sharp small parts handling

*Sizes 7 to 11. Available in Cartons of 72 Pair or Packs of 12 Pair

GuardTek® 16-315 Cut Rating D gloves provide unparalleled levels of Safety, soft feel comfort and precise fit.
Fully breathable Neo Foam micro-porous coating on Medium High Cut Resistant PolyKor X7 18 gauge seamless knit Grey liner. Extreme protection, comfort and performance

- ISO 13997 Cut Level D protection from a hand formed close fitting liner minimising any hand fatigue or resistance of movement for all day wear.
- Anti Microbial treated liner for extra protection.
- Amazing dexterity and sensitivity from ultra thin and flexible 18 gauge seamless knit liner construction.
- Touch Screen Compatible for digital functionality, UPF 50+
- High water vapour transmission keeps hands Cool & Dry.
- Re-enforced Thumb Crotch via Vulcanised Nitrile pad
- Bio-degradable Vendor Ready packaging

APPLICATIONS:
- Mining resource
- Construction
- Glass Industry
- Automotive
- Assembly Work
- Metal Folding
- Machinery Maintenance

*Sizes 6 to 11; Available in Cartons of 72 Pairs and Packs of 12 Pair
GuardTek® 16-315HY Hi Vis Cut Rated D gloves provide unparalleled levels of Safety, soft feel comfort and precise fit. Fully breathable Neo Foam micro-porous coating on Medium High Cut Resistant Hi-Vis PolyKor X7 18 gauge seamless knit liner. Extreme protection, comfort and performance

- ISO 13997 Cut Level D protection from a hand formed close fitting liner minimising any hand fatigue or resistance of movement for all day wear.
- Anti Microbal treated liner for extra protection.
- Amazing dexterity and sensitivity from ultra thin and flexible 18 gauge seamless knit liner construction.
- Touch Screen Compatible for digital functionality, UPF 50+
- High water vapour transmission keeps hands Cool & Dry.
- Hi-Vis Yellow Liners for maximum visibility and safety.
- Re-enforced Thumb Crotch via Vulcanised Nitrile pad
- Bio-degradable Vendor Ready packaging

APPLICATIONS:
- Mining resource
- Construction
- Glass Industry
- Automotive
- Assembly Work
- Metal Folding
- Machinery Maintenance

*Sizes 6 to 11; Available in Cartons of 72 Pairs and Packs of 12 Pair

Polykor X7 Technology®

The latest in engineered yarn development.

What is X7™ Technology?

PIP’s G-Tek® PolyKor® with X7™ Technology represents the latest in engineered yarn development. This super light-weight and thin, 18 gauge reinforced yarn provides very high cut resistance and durability by way of proprietary fibers.

The result is exceptional cut resistance in a thin liner configuration.

High cut hazard applications

- Glass handling
- Glass and window manufacturing and installing
- Metal handling
- Cutting, stamping and metal manufacturing
- Sharp Parts Assembly
- Handling sharp parts and tools
- Construction
- Tile, glass work and handling large sharp parts
CUT RESISTANT GLOVES

GuardTek® SupraBlock 13-4GSC Level F Cut Protection. Designed for Tactile Dexterity and Comfort in High Cut Hazard environments. Good Grip on Wet, Dry and Oily surfaces.

- ISO 13997 Highest Performance Cut Rating F; ANSI A6; CE Cat II
- Anatomically Correct 2 Layer 13 Gauge Knit Liner for Improved Fit and Feel.
- SupraCoat waterborne PU/ Nitrile Coating provides Excellent Breathability
- High Abrasion Resistance for Glove Performance longevity
- Engineered Solvent & D.M.F Free for Zero Environmental Harm
- Bio-degradable Vending Machine Ready packaging

APPLICATIONS:
- Mining, Oil & Gas
- Energy Generation
- Glass & Metal handling
- Heavy Engineering & Assembly

*Sizes 7 to 11; Cartons of 72 Pair or Packs of 12 Pair

PolyKor® X7™ TECHNOLOGY

G-TEK® 16-377 POLYKOR® X7™ PLATINUM F+

- ISO 13997 A.7 Cut Rating 25% higher than EN388:2016 level F
- PolyKor® blended 18 Gauge shell with X7™ technology offers very high cut resistance, Dexterity and durability with ultra fine liners
- NeoFoam® coated palm and fingertips offers great abrasion resistance and outstanding wet/dry grip
- Touch screen compatible to allow the user to operate a touch screen phone or device without removing gloves
- Sanitised for reduction of Bacteria and Odour, Longer life and increased Hygiene
- UPF50+ Ultra Violet Protection Factor
- Bio-degradable Vending Machine ready packaging
- Complies with FDA food handling requirements 21 CFR 177.2600

APPLICATIONS:
- Finishing & inspection
- Electronics
- Food Handling
- General duty
- Sharp parts assembly
- Construction
- Maintenance

*Sizes 7 to 11; Available in Cartons of 36 Pair or Packs of 6 Pair
CUT RESISTANT GLOVES FOR WET / OILY WORK

LIQUID RESISTANT CUT 3 WITH WET GRIP PERFORMANCE.

GuardTek® WetWork 3 uses modern design ‘fine thread’ cut resistant liners in conjunction with a double dipped nitrile coating for superior grip and sensitivity in wet work situations.

- Mid level cut 3 protection provided by the comfortable soft feel Polykor liner
- Micro-cup wet grip surface from outer nitrile coating,
- Liquid resistant coating to over the knuckle bar from inner layer nitrile dipping process.
- Thumb crotch reinforced layer for extra cut / abrasion protection

APPLICATIONS:
- Wet Component Assembly
- Hose Coupling Connections
- Lubrication servicing
- Drive Train Assembly
- Agricultural Applications
- Heavy Machining maintenance
- Concrete / Building Construction
- Plumbing / Irrigation

*Sizes 7 to 11; Cartons of 36 Pair or Packs of 12 Pair

G-Tek® 16-939 Dual Coat PolyKor X7 Double Dipped Full Nitrile Coating featuring Palm Micro-surface for improved Wet / Oily Grip. P.I.P Patented PolyKor X7 18 gauge Ultra fine Liner technology provides High Cut Resistance with Durability and Dexterity for precise fingertip grip and control.

- ISO 13997 Cut Level C; ANSI A3 protection rating.
- Your hands will remain Safe and Dry with no contamination contact by Liquids or Oils
- Touch Screen Functionality with gloves on, Sanitized for Hygiene, Ultra Violet resistant, UPF 50+
- Bio-degradable Vender ready packaging

APPLICATIONS:
- Heavy Parts Assembly
- Water Utilities & Irrigation
- Sewerage Treatment Works
- Plumbing & Draining
- Refineries, Oil & Gas
- Mechanical Service & Maintenance

*Sizes 7 to 11; Cartons of 36 Pair or Packs of 12 Pair
**CUT RESISTANT FOR HOT WORK**

**K1300**

G-Tek® K-Force K1300 Cut Resistant for handling Wet, Oily or Hot Objects.

100% Dupont Kevlar® shell with blue latex rubber coating on palm, crinkle grip dipped on full thumb & fingers, 10 gauge, medium weight Kevlar liner.

- **Dupont Kevlar® yarn** is the original and the best heavy duty cut and heat resistant liner.
- **Cut level 5 + Puncture Level 4** construction protects hands without sacrificing comfort or dexterity.
- **Kevlar will not melt**, ignite or conduct electricity.
- **Dupont Kevlar® yarn** provides high tensile strength relative to its weight-up to five times stronger than steel.
- **Excellent Wet or Dry Grip** from Crinkle finish latex coating.

**APPLICATIONS:**

- Material Handling
- Glass Handling Operations
- Marine Industries
- Plastic fabrication
- Guillotine Maintenance
- Waste Handling & Recycling

*Sizes 7 to 11; Cartons of 72 Pair or Packs of 12 Pair*
MaxiTek® ForceShield 120-3700 Mk II; High Dexterity, Impact and Cut Resistant safety gloves designed to provide Class Leading Heavy Duty protection with absolute Minimal restriction of touch sensitivity and all shift long comfort.

Latest ANSI / ISEA 138 Impact Protection Standard tested at Level 2 to back of hand and fingers. This unique designed TPR rib pattern disperses impact energy through a combination of increasing base ratio compression and lateral movement. Concept design feature provides full freedom of movement without restriction at the fingers or Knuckle Joint.

New technology PolyKor X7 ultra fine super strong Cut Resistant liner now delivers a much higher Level E Protection rating to the latest ISO 13997 standards testing. This fine 18 Gauge liner combines with the wet grip Nitrile coating to create good fit, feel and sensitivity with robust and secure wet or dry grip control.
Mad Max II 120-4050 Hi Vis Drilling and Rigging glove with Impact protection.
Maximum Safety Mad Max II professional workman’s glove, synthetic leather palm with PVC dot reinforcement, hi-vis yellow back, moulded TPR Finger and back of hand protection, airprene wrists.

- Abrasion Resistant PVC dot reinforced synthetic leather palm & fingers
- Hi Viz lime, foam laminated spandex fabric back
- TPR moulded knuckle guards & back hand guards
- Diamond grip PVC impregnated fingertips & thumb crotch
- CUT Level 2 protection
- Breathable airprene wrist cuff and vented lycra fabric vent

APPLICATIONS:
- Construction
- Exploration
- Landscaping
- Drilling / Rigging
- Demolition
- Mining
- Fabrication

*Sizes 7 to 11; Cartons of 72 Pair and Packs of 6 Pair

WestChester® R2 RIG CAT 5 code 87030; Synthetic leather double palm glove with reinforced red silicone palm and fingers that provide oil resistance, excellent gripping, visibility, and cut resistance. Long neoprene cuff with ID tag with place for name, TPR heavy duty knuckle and back of hand protection.

- Armortex® palm insert provides ISO 13997 Cut Level D protection.
- Silicone palm repels liquid for enhanced grip in slick conditions plus protect from abrasion.
- Reinforced Kevlar thumb saddle for durability.
- Sonic welding TPR through fingertips to reduce pinch points.
- ANSI / ISEA 138 Impact Level 2

APPLICATIONS:
- Oil Rigging
- Mechanical
- Mining
- Framing
- Automotive
- Electrical
- HVAC
- Plumbing

*Sizes 7 to 12; Cartons of 72 Pairs or Packs of 6 Pair
MaxiTek® Journeyman C5 code 120-4100;
Journeyman Impact Protection Hi Vis Leather Gloves. Full Cut 5/E and heat resistant para-aramid liner for maximum safety. Top grain Hi Vis Cow leather is re-enforced on the palm & fingers and a full para-aramid high Cut level E (ISO 13997) and heat resistant liner has been designed into the glove to give 360° cut protection to the entire hand and fingers. High Vis TPR protection has been added to the back of hand & fingers for pinch point, crush & Impact reduction.

- Full (360°) Cut Level E with FR liner in Para-aramid
- High Grade supple & liquid resistant Leather palm.
- Contact Heat Resistant to 180°C
- TPR moulded crush & impact protection to fingers & back of hand.
- Kevlar Matt Thumb crotch reinforcement and grip enhancement.
- Hi Vis Palm for signalling.

APPLICATIONS:
- Construction / Rigging
- Demolition / Recycling
- Mining / Resources
- Oil & Gas
- Transport
- Steel Fixing
- Heavy Industry

*Sizes 7 to 12; Cartons of 36 Pair or Packs of 6 Pair
**MaxiTek® Professional MX 2920-A** Tradesman Work Glove.
MaxiTek MK II Full finger style, Amara synthetic with re-enforced Vibration reducing wear pads, Kevlar stitched, knuckle bar padding.

- **Improved Design to protect** the professional tradesman, mechanic or enthusiast from heat, cuts, bumps and abrasion
- **Reinforced anti-vibration** 4mm Gel pads in palm for Power Tool use.
- **Kevlar stitched** to Amara washable synthetic leather with reinforced wear points.
- **Stretch Fabric Construction** to provide snug fit for increased grip and finger control with less fatigue.
- **Robust materials & manufacture** with Kevlar stitching throughout glove for increased performance & glove life.

**APPLICATIONS:**
- Automotive Assembly
- Aerospace
- Mechanical engineering
- Industrial Maintenance
- Building / Construction
- Technical Applications

*Sizes M-2XL; Cartons of 72 Pair or Packs of 6 Pairs

**MaxiTek® Technician MX 2920HF-A** Tradesman Work Glove.
MaxiTek MK II Half finger style, Amara synthetic with re-enforced Vibration reducing wear pads, Kevlar stitched, knuckle bar padding.

- **Improved Design to protect** the professional tradesman, mechanic or enthusiast from heat, cuts, bumps and abrasion
- **Reinforced anti-vibration** 4mm Gel pads in palm for Power Tool use.
- **Kevlar stitched** to Amara washable synthetic leather with reinforced wear points.
- **Stretch Fabric Construction** to provide snug fit for increased grip and finger control with less fatigue.
- **Robust materials & manufacture** with Kevlar stitching throughout glove for increased performance & glove life.

**APPLICATIONS:**
- Automotive Assembly
- Aerospace
- Mechanical engineering
- Industrial Maintenance
- Building / Construction
- Technical Applications

*Sizes M-2XL; Cartons of 72 Pair or Packs of 6 Pairs
MaxiTek® Engineer MX 2920TFF-A  Tradesman Work Glove.
MaxiTek® MK II Open 2 fingers and Thumb style, Amara synthetic with re-enforced Vibration Reducing wear pads, Kevlar stitched, knuckle bar padding.

• Improved Design to protect the professional tradesman, mechanic or enthusiast from heat, cuts, bumps and abrasion
• Reinforced anti-vibration 4mm Gel pads in palm for Power Tool use.
• Kevlar stitched to Amara washable synthetic leather with reinforced wear points.
• Stretch Fabric Construction to provide snug fit for increased grip and finger control with less fatigue.
• Robust materials & manufacture with Kevlar stitching throughout glove for increased performance & glove life.

APPLICATIONS:
• Automotive Assembly
• Aerospace
• Mechanical engineering
• Industrial Maintenance
• Building / Construction
• Technical Applications

*Sizes M-2XL; Cartons of 72 Pair or Packs of 6 Pairs

MaxiTek® Vis Rigger Mk II 120-4600
MaxiTek® Maximum Safety Hi Vis Professional workman’s glove, black synthetic leather palm, Hi-Vis orange back, open cuff.

• Hi Vis orange spandex fabric back for situational awareness
• Heavy Weight Synthetic leather palm for increased protection
• 2mm Thick Synthetic leather palm provides Cut Level 2 resistance
• Reflective binding for visibility during night work
• Easy-on, Easy-off cuff for quick fitting and removal
• Reinforced thumb crotch adds to glove wear longevity
• Silicon grip on all finger tips and thumb for enhanced grip

APPLICATIONS:
• Light Construction
• Transport Recovery
• Warehouse / Storage
• Road Works
• Construction
• Landscaping

*Sizes S-2XL; Cartons of 36 Pair or Packs of 6 Pairs
THE DIFFERENCE BETWEEN NEEDLE AND PUNCTURE RESISTANCE GLOVES

The Facts about Puncture Resistant gloves

As materials and manufacturing techniques used for glove making have developed over the past decades, the ability to provide specific performance characteristics in hand protection has continually improved. Yet when trying to understand glove suitability for the intended task, it becomes apparent that the listed brand / manufacturer information relating to Puncture and Needle resistant gloves is not uniformly presented or easily comparable.

In researching this topic, one can find a diverse range of testing methods, certifications and performance ratings quoted in various formats / units of measure. The potential confusion created by these non-complimentary documents and data is distracting from the main purpose of providing clear and distinct information so that employee / employers can evaluate the most suitable product available for the intended purpose.

The Variations in Test Methods

Last Century a European Standard EN388 was created to help determine which glove may best suit what application. It was known as the ‘Protection against Mechanical Risks’ Standard for hand protection and tested for Abrasion, Cut, Tear and Puncture resistance. In this Standard the Puncture test was conducted by a 5mm steel probe (Pencil size) with a rounded point tip 1mm wide. This probe pressed against the glove palm at a right angle travelling at 100mm/minute. This rather thick object travelling at a slow speed tended to bend, stretch and eventually burst through the material. This test is particularly relevant to static spikes, thick splinters or wire, edges of steel / aluminium.

In November 2010 a new standard test method ASTM F2778-10 was introduced for ‘Protective Clothing Material resistance to Hypodermic Needle Puncture’. In Feb 2016 the American ANSI/ISEA 105 Standard was updated to include the ASTM F2878-10. This is now the internationally recognised testing procedure specifically for needle resistant gloves. In this test the fine point Needle travels at 500mm/minute, measuring the amount of force to pierce (Needles have a precise bevelled edge) then pass through material in Newtons force.

Today some manufacturers are persisting with older test methodologies that are not specifically designed to test hand protection such as the Modified ASTM F1342-05. Some manufacturers are quoting glove performance in other than the Standard International unit of Force which is the ‘Newton’. It is only when you convert their alternate unit measures of force that you can have a clearer appraisal of the actual protection factor. If your glove manufacturer is providing you with measure of force in 1 Pound / foot (lb/f) this equals 1.3558179 Newtons. Others will provide force in Grams 1 = 0.00980665 Newtons.

Take note of the gauge (diameter) of Hypodermic Needle used in the testing. The 25gg Needle is the accepted standard gauge for industry testing. Some tests are conducted with 23gg as the wider Needle tip delivers better performance results (the smaller the gauge number the wider the needle). We find real world reference to gauge when a commonly provided ‘substance addiction’ or Diabetes Needle is 19 or 23 gauge in thickness.
**Eureka® Puncture Soft E15-4PS** Needle Stick protection
High Performance Textiles Puncture Soft gloves offer a unique combination of extremely high level Cut Resistance along with a mid level Needle Stick resistance.
Designed specifically for improved working dexterity whilst providing Needle Puncture & Cut Resistance this new generation glove protects against a combination of extreme working hazard risks.

- **Hypodermic Needle Puncture** resistance according to ASTM F2878 - 10 of 6N (25g Needle)
- **Very High Level Cut Protection** F+ with ISO 13997 Testing of 34.3 newtons.
- **Needle stick protection extended** beyond the palm to around the thumb crotch and over the finger nails
- **Breathable Nitrile Coating** composite foam with FR Properties. Suitable for contact heat over a short time.
- **Good Dry & Wet Grip** combining with extra sensitivity, feel and control.

**APPLICATIONS:**
- Sanitation Works
- Cleaning
- Parks & Gardens
- Recycling
- Security Personnel
- Metal Collection
- Swarf Metal Shavings Handling

*Sizes S to 2XL; in Cartons of 12 Pair or Single Pair*

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**Eureka® Puncture Xtreme E10-6PXTR** Needle Stick protection
Eureka Puncture Xtreme gloves offer High level Needle Stick & Cut Resistance.
Unique “SupraBlock Stop” material contains tightly woven Para Aramid fabric covered by a ceramic composite coating to deliver a high level of protection against a combination of extreme working hazards.

- **Very High Hypodermic Needle Puncture** resistance, palm & fingers, according to ASTM F2878-10 at 10N (25g Needle)
- **Extremely High Level Cut Protection** ISO 13997 Testing of greater than 60 newtons. This is 2 times the Maximum Level F rating under EN388. (F=30N)
- **Oil & Water resistant**, non breathable Nitrile grip coating is suitable for liquid environments.
- **Para Aramide liner** provides good heat contact transfer properties and displays reduced flammability.

**APPLICATIONS:**
- Law Enforcement
- Sharps Handling
- Recycling
- Sanitation
- Public Facilities Cleaning & Maintenance

*Sizes S to 2XL; in Cartons of 12 Pair or Single Pair*
Gloves can be very valuable in reducing Hand Arm Vibration Syndrome. Anti Vibration gloves have applications of high protection as well as “No Go” zones where they have little effect or might even be slightly harmful. This information will help to guide you to the right solution!

HAND ARM VIBRATION SYNDROME AND VIBRATION INDUCED WHITE FINGER SYNDROME

- Blue curve illustrates sensitivity to hand Arm Vibration syndrome (ISO 5349-1)
- Orange Curve illustrates sensitivity to Vibration induced White Finger Syndrome

Average vibration stated is always as adjusted with blue curve above unless specified as “unweighted”.

PRACTICAL ADVICE

Real life situations may vary a lot compared to laboratory test conditions. Different people and working positions as well as the tool type, maintenance status of the tool and type of work show large variations in test results.

Other very important factors are:
- Cold conditions can increase damage to the hand;
- High grip force can significantly increase damage and reduce glove protection effectiveness.

LEGAL LIMITS IN EU

Daily average weighted accelerations above 2.5 m/s² must be considered and above 5.0 m/s² is prohibited according to EU Directive 2002/44/EC. Eureka advise to map the main frequencies of the vibration exposure in order to fulfill article 4a) in the above directive in a relevant way.

VIBRATION SOURCES

Vibrations are generated by machine motor (rpm), secondary disturbances are usually at higher frequencies and very high frequency transient vibrations from impacting tools.

- Frequency = oscillations per second
- RPM = Rotations per minute
- 100 Hz = 6000 rpm, 500 Hz = 30 000 rpm

Transient Vibration = High frequency, short duration

Acceleration is the speed change per second and best measurement of vibration strength.
Eureka® Flexi Vibration Protective Glove EVIB-FLEXI
Specifically designed to reduce vibration transmission for slow to medium rotating tools 50 – 400 Hertz (400 Hz = 24,000RPM)

- Suitable for reducing hand and arm vibration damage associated with continued exposure to vibrating equipment.
- Protection from long term effects of nerve damage by exposure to tools such as Chain Saws, Impactors, Tractor & Bob Cat operation, Lawn mowers, Hedgers, Blowlers & Trimmers.
- Unique Supra Block vibration foam in Palm & base of Fingers, covered in microfibre with Educational messages printed on fingers in Silicon Grip material.
- Optional Removable fingers (if required) for increased control
- Tested according to ISO 10819:2013 TRM = 0.71, TRH = 0.53

APPLICATIONS:
- Water Jet Blasting
- Motorised Garden Tools
- Power Tools, Rattler Guns, Impact wrenches
- Vibratory Machinery Operation
- Chain Saws, Impactors, Tractor & Bob Cat operation
- Lawn mowers, Hedgers, Blowlers & Trimmer

*Sizes S to 3XL; Cartons of 12 Pairs or Single Pair

Eureka® Impact Vibration Protective Glove EIMP-VIB.
Specifically designed to reduce vibration transmission at Medium to High speed rotations above +400 Hertz. (400Hz = 24,000RPM)

- Suitable for reducing hand and arm vibration damage associated with continued exposure to vibrating and impacting equipment.
- Protection from long term effects of nerve damage by exposure to high speed tools such as Angle Grinders, Air tools, Sanders, Vibratory Machinery.
- Unique Supra Block vibration foam in Palm & Fingers, covered in micro– fibre with Educational messages printed on fingers in Silicon Grip material.
- Tested according to ISO 10819:2013 TRM = 0.68, TRH = 0.47

APPLICATIONS:
- Rivet Guns, Impact Wrenches, Impact hammers
- High Speed Multi Tools
- Vibratory Machinery Operation
- Sander Operations
- Angle Grinders, Sanders, Grinder and other similar frequency range tools

*Size S to 3XL; Cartons of 12 Pair or Single Pair
ARC-RATED CLOTHING AND PERSONAL PROTECTIVE EQUIPMENT

ARC FLASH PERSONAL PROTECTIVE EQUIPMENT

In the case of arc flash hazard, the main purpose of Personal Protective Equipment is to reduce burn injury to worker to a level of curable burn. Personal protective equipment may, or may not, provide adequate protection in the case of arc flash exposure. It is important that workers understand the use, care, and limitations. Workers must not treat PPE as a substitute for common sense and safe work practices.

The most common and industry accepted PPE that protects the body from arc flash is arc-rated clothing. Arc-rated clothing is tested for performance under exposure to electric arc. This is different from flame-resistant clothing, though arc-rated clothing is also flame-resistant.

Reference: Electrical Arc Flash Hazard Management Guideline March 2019: ANNEX B

Some of the main considerations of PPE inside arc flash boundaries are:

> All employees within the arc flash boundary to wear arc flash PPE appropriate for the incident energy exposure (Note: this time is dependent on the task being performed so should be specific to the risk assessment requirements);
> PPE should cover all other clothing that can be ignited;
> PPE should not restrict visibility and movement;
> Non-conductive protective head wear is required when in contact with live parts or when there is a possibility of electrical explosion. The face, neck and chin must be protected;
> Eye protection is required;
> Hearing protection is required;
> Body protection is required using arc-rated clothing when the estimated incident energy at the body may cause a second degree (curable) burn (1.2 cal/cm2);
> Heavy-duty leather or arc-rated gloves are required to protect the hand;
> If incident energy exceeds 4 cal/cm2, heavy-duty boots are required to protect the feet.

Eureka® ARC FLASH 50 Cal Glove code E13-4HAF50

Specialised FR Textiles and latest Construction techniques combine to provide a 50 Cal/cm2 Arc Flash Protection glove with Dexterous flexibility for demanding High Hazard Risk tasks.

The Eureka Arc Flash 50 Cal / Heat FR glove has been designed to provide good flexibility and grip control for work situations that may require high level protection from Arc explosion, Radiant Heat, short duration Flame Exposure, Contact Heat or High level Cut Resistance.

• Arc Flash Certified according to ASTM F2675 ATPU
  Palm Coating = 41 Cal/cm2
  Back of Hand = 59 Cal/cm2
• Good Tactile Grip and Feel through Close fitting finger tips
• Extra Length Glove with extended Cuff Protection
• EN407 Heat Resistant to contact heat to100°C
• ISO13997 Cut Protection = 24.4 N (Level E)
• Comfortable, close fitting, high dexterity glove with maximum protection.

APPLICATIONS:
• Switching & Racking of Breakers
• Work of Switchboards & Electrical Panels
• Electrical facilities Management
• High Load Power Generation Plant
• Work on De-Energised Switch Panels

*Sizes S to 2XL; Carton of 6 Pairs or single Pair
Eureka® Heat & Flame-Retardant Glove code E13-4HFR
Heat & Flame Retardant gloves use specialised textiles and coatings to improve the fibres ability in withstanding high temperature, flame and arc flash exposures.
The Eureka Heat FR glove has been designed to provide good flexibility and grip control for work situations that may require added protection from radiant and contact heat transfer, short duration Flame exposure, High level Cut Resistance or Arc Flash.

- Arc Flash Certified according to ASTM F2675 ATPU
  - 60% Black Nitrile Coating = 30 Cal/cm²
  - 25% White Print (back) = 23 Cal/cm²
  - 15% Green Liner Fabric = 5.8 Cal/cm²
- Oil & Water Repellant Coating
- EN407 Heat Resistant to contact heat to 100°C
- ISO13997 Cut Protection = 24.4 N (Level E)
- Comfortable, close fitting, high dexterity glove with maximum protection.

APPLICATIONS:
- Work on De-Energised Electrical Panels
- Electrical Facility Maintenance
- Oil & Water Repellant
- Rural Fire
- After Burn Clean Up
- Emergency Services
- Handling Hot Sharp Objects

*Sizes S to 3XL; Carton of 60 Pair or Packs of 6 Pair

Eureka® Arc Flash & Flame-Retardant Glove code E13-4ARCHFR
Specialised Arc Flash & Flame Retardant gloves use specialised textiles and coatings to improve the fibres ability in withstanding high temperature, flame and arc flash exposures.
The Eureka ARC Heat FR glove has been designed for Arc Flash, Flame Retardant, High Cut Resistance. It has additional Heat Resistant Textiles positioned in the back of Hand to increase resistance to Arc Flash explosion burns.

- Arc Flash Certified according to ASTM F2675 ATPU
  - 60% Black Nitrile Coating = 30 Cal/cm²
  - 25% White Print (back) = 40 Cal/cm²
  - 15% Green Liner Fabric = 16 Cal/cm²
- Oil & Water Repellent non-flammable Coating
- EN407 Heat Resistant to contact heat 100°C
- ISO 13997 Cut Protection = 24.4 N (Level E)
- Comfortable, close fitting, high dexterity glove with extended cuff for increased protection.

APPLICATIONS:
- Automotive Assembly
- Aerospace
- Mechanical engineering
- Industrial Maintenance
- Building / Construction
- Technical Applications

*Sizes S to 2XL; Carton of 60 Pair or Packs of 6 Pair
Glove & P.P.E clip

- The PIP Glove Clip is ideal for gripping your gloves, ear muffs, helmets, towels and just about anything else
- PIP Glove Clip secures your work gloves to your person, reducing lost time and missing P.P.E
- Designed to separate and break from each other in the event of the item being caught in machinery
- Colours available – Hi-Vis Orange or Yellow
- Code: ILNO+ILNY

*Size: Available in cartons of 500 or Box of 50

EZ-COOL® TOWEL

Ideal for use in hot environments for protection from the stress of high temperatures. When activated simply in a small amount of water, the amazing fabric feels cooler than the ambient temperature and will remain cool for hours. If it dries out just add water, give it a quick wring and it’s ready to continue cooling.

- Advanced Poly Vinyl Alcohol (PVA) material absorbs water and sweat efficiently and remains active for hours
- Natural evaporation provides a cooling sensation delivering comfort in warm environments
- Rinse the EZ-COOL towel prior to use and wrap around neck, head, or wipe down other pulse points for an exceptional cooling effect
- Great storage container; store product in between uses to keep clean
- Cooling properties can be reactivated for the life of the product; May be used over and over again
- If unopened the PVA cooling towel has an unlimited shelf life and is reusable once opened if cared for properly

*Size: 34cm x 80cm; Available in cartons of 24 each

EZ-COOL® MAX

- Ready to use in just 30 seconds
- Quickly reduces temperatures when soaked in water and activated to provide cooling effect
- Activate the towel by waving or snapping it in air
- Provides UV protection and resists odors
- Retail-ready storage container that can

*Size: 30cm x 100cm; Available in cartons of 48 each
### PIP Glove Selection Guide

| Model/Brand | Abrasion Score | Cut Score | Tear Resistance | Puncture Resistance | Puncture Cut Resistance | Tear | Puncture | Needle | Dexterity | Dry Work | Wet Work | Heat | Impact | Crash | Vibration | Heat | Anti Palm | Dual Palm | Dual Finger | Kevlar | Stitching | Reflective | Touch Screen | Nitrile | PPU Foam | Rubber Coat | Leather Palm | Knit Wrist | Open Cuff | Velcro Adjust | UPF50+ | Protect | Open Back | Half or Full Coat | Bio Degradable Packing |
|-------------|----------------|-----------|-----------------|--------------------|------------------------|------|----------|--------|-----------|---------|---------|------|--------|-------|----------|--------|-----------|----------|-------------|--------|------------|---------------|-----------------|-------------|-------------|-----------------|----------------|----------------|---------------|
| 34-350 Rufflon | 3 | 1 | 2 | 1 | Med | ● | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1300 G-Force | 2 | 2 | 4 | 2 | Med | ● | ● | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33-101 SuperLite | 4 | 1 | 2 | 1 | High | ● | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34-425 Neo SuperSkin Neo | 4 | 1 | 2 | 1 | High | ● | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34-424 SuperSkin Oil | 4 | 1 | 2 | 1 | High | ● | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34-326HVO SuperSkin HVO | 4 | 1 | 2 | 1 | High | ● | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CUT5YE GuardTek | 4 | 3 | 4 | 2 | High | ● | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CUT5YE GuardTek | 4 | 5 | 4 | 4 | C | High | ● | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16-333 G-Tek PolyKor | 4 | 5 | 4 | 2 | C | Med | ● | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16-315 GuardTek PolyKor X7 | 4 | 5 | 4 | 2 | D | High | ● | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16-315HY PolyKor X7 Hi Vis | 4 | 5 | 4 | 2 | D | High | ● | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13-43SC SupraBlock F | 4 | 5 | 4 | 2 | F | Med | ● | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16-377 G-Tek PolyKor X7 F+ | 4 | 5 | 4 | 2 | F+ | High | ● | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30-733 WetWork 3 | 4 | 3 | 4 | 3 | Med | ● | ● | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16-939 G-Tek PolyKor X7 | 4 | 5 | 4 | 2 | C | Med | ● | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K1300 K-Force | 3 | 5 | 4 | 4 | C | Med | ● | ● | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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= Moderate Performance or Half Coat (where indicated)
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