

## INSTRUCTIONS FOR USE (IFU) AND WARNING CARD

### PRO-TECH 8 STRUCTURAL FIREFIGHTING PROTECTIVE GLOVES

Certified to NFPA 1970 (1971), 2025 Edition

**Models:** Pro-Tech 8 Titan Pro (PT-8 TN SC, LC), Titan K Pro (PT-8 TNK SC), Fusion Pro (PT-8 SC, LC) and Vision (PT-8 VSC)

**Manufacturer:** TechTrade, LLC – 6900 Tavistock Lakes Blvd. Ste. 400, Orlando, FL 32827 USA

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### IMPORTANT INFORMATION!

**ONLY THE END USER SHALL REMOVE THIS INFORMATION PRIOR TO USING THESE GLOVES - PLEASE READ CAREFULLY BEFORE FIRST USE**

**⚠ DANGER / WARNING ⚠**

**RISK OF SERIOUS INJURY, ILLNESS, OR DEATH**

#### THIS GLOVE ALONE PROVIDES LIMITED PROTECTION

- **ENSEMBLE REQUIRED:** This glove is only one element. It **MUST** be worn in conjunction with all other NFPA 1970-certified elements (coat, trousers, helmet, hood, and footwear) to achieve the minimum required protection level.
- **BURN HAZARD:** These gloves provide limited thermal protection. **YOU MAY BE BURNED** without prior sensation or warning, and without visible damage to the glove. Avoid prolonged contact with high heat or flame. Fire burns at temperatures exceeding the glove's rating.

- **CUT/PUNCTURE HAZARD:** These gloves provide limited cut and puncture resistance. **YOU MAY BE CUT/PUNCTURED** by sharp objects encountered on the fireground through the gloves. Excessive pressure and/or sharpness of objects will exceed this glove's rating. Avoid pushing off of or crawling on sharp objects. Always clear out window frames completely of glass before entry.
- **CONTAMINATION: DO NOT USE** if the glove is cut, torn, punctured, melted, charred, or contaminated. Contamination, including contact with fireground liquids, reduces thermal protection and exposes the wearer to hazardous materials.
- **ALTERATION & CLEANING: DO NOT** alter the gloves. Clean and repair **ONLY** in strict accordance with these instructions and NFPA 1851. **NEVER USE CHLORINE BLEACH.**
- **LINER FAILURE:** Remove from service immediately if the internal liner or moisture barrier separates, bunches, or pulls out, as this severely compromises protection.

### (1) Pre-Use Information

**(a) Safety Considerations** The use of this glove does not eliminate the possibility of injury, heat stress, or thermal/chemical exposure. Structural firefighting is inherently dangerous. This product is designed only to reduce the risks associated with thermal, physical, environmental, and bloodborne pathogen hazards encountered during structural firefighting and rescue operations.

#### **(b) Limitations of Use DO NOT USE THIS GLOVE FOR:**

- Proximity or Fire Entry Operations (Requires NFPA 1970 Proximity Ensemble).
- Direct contact with molten metal, liquid flash fire, or high-intensity radiant heat sources.
- Hazardous Materials (HAZMAT) operations, including protection against chemical warfare agents, biological agents, or radiological materials.
- Use in atmospheres contaminated with chemicals or substances not addressed by NFPA 1970.

**(c) Marking Recommendations and Restrictions** Gloves should only be marked using the permanent label space provided by the manufacturer. **DO NOT** use permanent markers, paint, or labels on the outer shell or other components, as the chemicals and solvents may degrade the protective materials and void the NFPA certification.

**(d) Performance Properties Statement** Most performance properties of this protective element (e.g., thermal resistance, liquid integrity, cut resistance) **cannot be tested by the user in the field.** Reliance must be placed on proper care, maintenance, routine inspection, and the original certification.

**(e) Warranty Information** This product is warranted against defects in materials and workmanship for twelve (12) months from date of purchase, provided the care and use instructions are followed. This warranty does not cover damage resulting from misuse, improper washing and maintenance, accidental tears, discoloration caused by contamination, disinfection, chemicals and acids, damage caused by natural causes, sunlight exposure, unauthorized repair, or normal wear and tear. For full warranty details, contact the manufacturer.

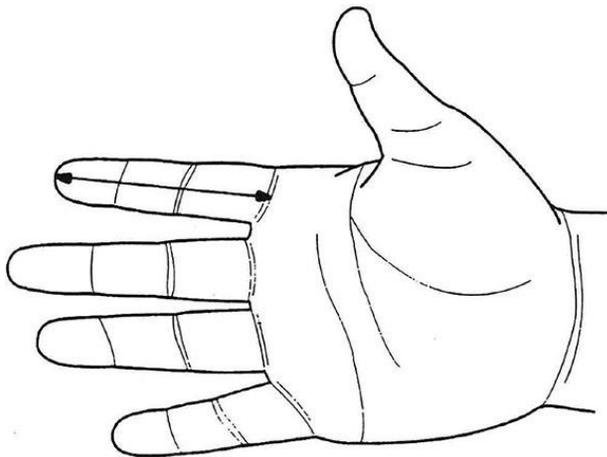
Failure to follow any of the warnings listed on this card and/or removal of glove labels voids warranty.

**(f) NFPA 1851 Compliance** Users **MUST** refer to and comply with the latest edition of **NFPA 1851, Standard on Selection, Care, and Maintenance of Protective Ensembles for Structural Fire Fighting**, and all manufacturer instructions. Do not follow NFPA 1851 requirements that contradict these instructions.

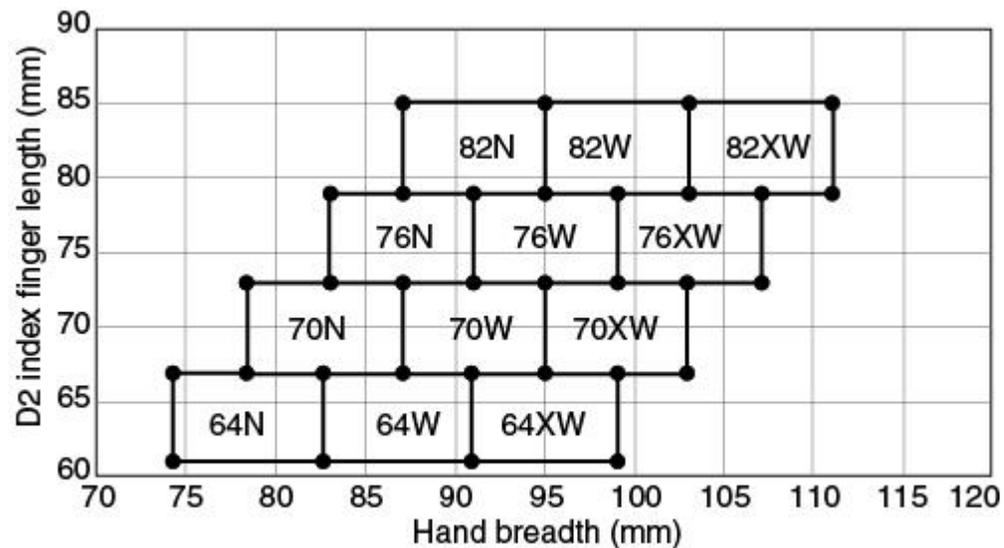
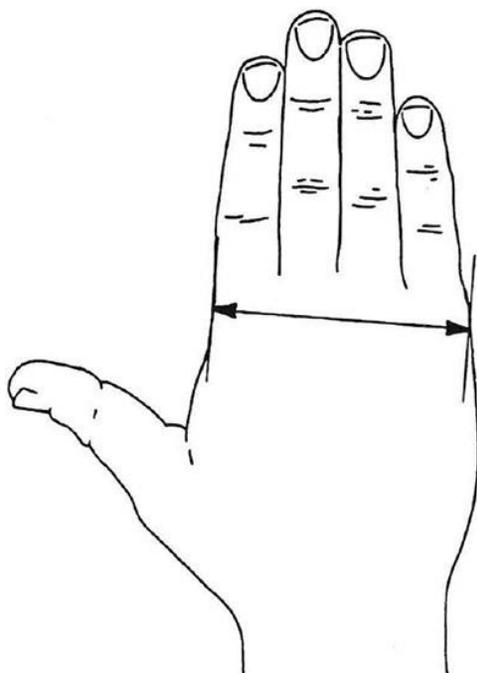
## **(2) Preparation for Use Information**

**(a) Sizing/Adjustment** TechTrade offers gloves in numerical sizing (64-82) and in two widths, narrow (N) and wide (W). Use the instructions and chart below to select the appropriate size. Only wear products of a suitable size. Products which are too loose or too tight can restrict movement and decrease protective properties. Custom sizes may be available depending on the model; contact manufacturer for details.

To determine the best size and fit, measure your index finger from the palm crease to the tip in millimeters, which will give you the closest numerical size. As an example, if the measured length in millimeters is 76, the corresponding glove size would be a 76. The diagram below shows where to measure.



Now measure across the top of your knuckles as shown below to determine hand breadth in millimeters. Then find the corresponding size/width based on the chart on the right:



For U.S. units, 1 mm = 0.394 in.

The above charts and diagrams can be found in the NFPA 1970-2025 standard in section 7.7.4.

The following 7 sizes are required by the NFPA and are loosely equivalent to the alpha sizes for previous Pro-Tech 8 Models listed below them. Please keep in mind that sizes vary and the best way to ensure proper fit and function is to select the appropriate size based on your hand measurements.

64N	70N	70W	76N	76W	82N	82W
XS	S	M	M/L	L/XL	XL	XXL

**(b) Recommended Storage Practices** Store gloves in a clean, dry, and well-ventilated area away from direct sunlight, corrosive chemicals, fuel vapors, or extreme heat or cold. Store away from other contaminated PPE.

### **(3) Inspection Frequency and Details**

- **Routine Inspection (Before and After Each Use):** Visually inspect the entire glove for physical or thermal damage, dirt, and contamination. Use the checklist in Section (6)(b) below.
- **Advanced Inspection (Required at least every 12 months):** Must be conducted by a certified inspector or Verified Independent Service Provider (ISP) in accordance with NFPA 1851.

### **(4) Donning/Doffing Information**

#### **(a) Donning and Doffing Procedures**

- **Donning:** Insert the hand firmly, ensuring fingers are completely seated and the inner liner is smooth and untwisted. Ensure the wristlet/gauntlet is properly positioned to interface with the coat sleeve.
- **Dooffing:** Follow departmental SOPs. When doffing contaminated gloves, grasp the cuff and pull the glove off inside-out to minimize contact with the contaminated exterior, transferring them immediately to a designated bag or container for cleaning.

**(b) Sizing and Adjustment Procedures** Check the fit after donning. The fingers should reach the ends of the glove stalls without undue pressure, and there should be minimal excess material. Dexterity should allow for basic tasks. If fit is compromised, the glove should be replaced with the correct size. The glove is not adjustable once manufactured.

**(c) Interface Issues** The glove interface (wristlet or gauntlet) **MUST** be fully engaged with the coat sleeve to prevent skin exposure, thermal transfer, and particulate entry. Check for gaps when extending arms and ensure the interface remains secured during rigorous activity.

### **(5) Proper Use Consistent with NFPA 1550 and 29 CFR 1910.132**

This equipment is intended for use in operations defined by **NFPA 1550, Standard on Fire Department Occupational Safety and Health Program**, and shall be provided and used whenever employees are required to work in a hazardous environment, as per **29 CFR 1910.132, Personal Protective Equipment: General Requirements**. The employer is responsible for ensuring the availability, maintenance, and proper use of this PPE by trained personnel.

## (6) Maintenance and Cleaning Instructions

### (a) Cleaning Instructions and Precautions

Cleaning Type	Procedure and Purpose	Warning / Precaution
<b>Preliminary Exposure Reduction (Gross Decon)</b>	On the fireground, brush off dry debris, rinse visible soot/soil with a pressurized hose/water to remove gross contaminants before leaving the scene.	Prevents off-gassing and reduces transport of heavy particulates.
<b>Routine Cleaning (User Level)</b>	Hand wash only in warm water with a small amount of mild detergent or soap; hang dry using hanging loops provided. Excess water can be gently squeezed off before hanging but do not wring dry. Do not machine wash or dry. Do not use industrial detergent or washing machines. Do not use bleach. Use only a soft bristle brush for cleaning.	<b>WARNING:</b> Do not use an element that is not thoroughly cleaned and dried. Contaminated gear poses a health hazard.
<b>Advanced Cleaning / Sanitization</b>	Thorough washing, extraction, and drying (required periodically, or after exposure to heavy soil/fluids). Best performed by a Verified ISP.	<b>WARNING:</b> Hazardous materials and carcinogens can remain on contaminated protective clothing, posing a risk of injury or cancer.
<b>Good Hygiene Practice</b>	Practice good hygiene when handling and wearing protective clothing before and after structural and proximity firefighting and other emergency responses. Wash hands immediately after doffing gloves and before eating or drinking.	Reduces the risk of transfer of carcinogens and bloodborne pathogens.

**(b) Inspection Details** Refer to the Inspection details and frequency in **Section (3)**. Any visual indication of a material or component that is hardening, shrinking, melted, cut, or otherwise compromised requires the glove to be removed from service.

**(c) Maintenance Criteria and Methods of Repair** Repairs should **ONLY** be attempted by the manufacturer or a Verified Independent Service Provider (ISP). Repairs must utilize **original or like-materials** and construction methods to maintain NFPA 1970 compliance. Unauthorized repairs void certification.

**(d) Decontamination Procedures (Chemical and Biological)** For exposure to specific chemical, biological, or HAZMAT incidents, gloves must be handled as a contaminated article. They require **Specialized Cleaning** by an ISP following **NFPA 1851** procedures for chemical or biological contamination removal. Standard routine cleaning is insufficient for these contaminants.

**(7) Retirement and Disposal Criteria and Considerations** The decision for the continued service of your protective gloves must be made by a qualified individual within your department or organization. If you have any doubts about your protective gloves and their condition, immediately bring this matter to the attention of your supervisor, department or organization.

- **Mandatory Service Life:** Retire gloves no later than **5 years** from the date of manufacture.
- **Contamination:** Gloves chemically or biologically contaminated beyond the ability of specialized cleaning to remove are to be immediately retired.
- **Disposal:** Retired gloves, especially those with unremovable contamination, should be disposed of in a manner that prevents reuse (such as cutting into unusable pieces) and complies with all federal, state, and local regulations for hazardous waste.

### **(8) Moisture Barrier Chemical Statement**

The moisture barrier component of this glove has **NOT** been evaluated for all chemicals that can be encountered during firefighting operations. The effects of exposure to specific chemical agents on the moisture barrier are to be evaluated in accordance with the inspection procedures for chemical exposure outlined in **NFPA 1851**.

### **(9) Principal Material(s) of Construction**

See Inner Label for each glove model for full list of materials of construction.

**Save these instructions for your reference. READ THE PRE-USE INFORMATION, PREPARATION FOR USE, DONNING/DOFFING, INSPECTION, AND MAINTENANCE AND CLEANING INSTRUCTIONS CAREFULLY. If you have further questions, please contact us.**