



TECHNICAL BULLETIN **FR Waterproof Outerwear & NFPA 70E**

The issue of protecting workers exposed to potential electrical hazards in the workplace is becoming a very important issue. To achieve a higher standard of safety for workers in these environments, organizations often turn to NFPA70E for guidance. This is a very thorough document which provides direction for safe work practices.

We are often asked whether we have garments which comply with this standard. **The answer is yes!** The information below will help to explain the scope of the NFPA70E standard and how our products fit within this specification.

Scope of Standard

NFPA 70E "Standard for Electrical Safety- Requirements for Employee Workplaces"

Scope

This standard addresses those electrical safety requirements for employee workplaces that are necessary for the practical safeguarding of employees in their pursuit of gainful employment. This standard covers the following: Electrical conductors and equipment installed within or on buildings or other structures, including mobile homes and recreational vehicles, and other premises such as yards, carnival, parking, and other lots, and industrial substations. Conductors that connect the installations to a supply of electricity.

As you can see, the scope of this standard or specifications is intended to deal with safe working practices in the above noted circumstances. However, there is a section in this standard that deals with PPE.

Chapter 3 Personal and Other Protective Equipment

General

Employees working in areas where there are electrical hazards shall be provided with, and shall use, protective equipment that is designed and constructed for the specific part of the body to be protected and for the work performed.

The details noted in Chapter 3 of NFPA 70E focus on various risk levels and the appropriate PPE to wear. Section 3-3.9.3 illustrates a chart which specifically references various types of protective clothing from undergarments to shirts, pants and coveralls as well as combinations of these garments. The appropriate level of protection you require for each Hazard Risk Category is noted in this chart.

The only area that refers to rainwear is the following:

3-3.9.4.2 Outer Layers. Garments worn as outer layers over FR clothing, such as jackets or rainwear, shall also be made from FR material.

Ranpro's Petro-Gard and Utili-Gard garments meet the requirements for ASTM F1891 "Arc and Flame Resistant Rainwear" subsequently making these Ranpro garments compliant with NFPA 70E.

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