



# FR WATERPROOF OUTERWEAR

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## WHAT LEVEL OF PROTECTION DO YOU NEED?

Dedication to research and development has positioned Ranpro as a market leader in Flame Resistant (FR) FLAME-GARD® waterproof outerwear. When your job requires you to wear hazard specific clothing to protect you from various risk levels, you also require hazard specific FR Waterproof Outerwear to complete your protective garment system. Ranpro manufactures various levels of Flame Resistant FLAME-GARD® Waterproof Outerwear, which offer increased protective performance. It is important to recognize the risk exposure and outfit yourself with an appropriate Flame Resistant FLAME-GARD® Waterproof Outerwear. Selecting the appropriate garment can reduce the risk of burn injury.

Ranpro has designed an easy to follow system for selecting the appropriate Flame Resistant FLAME-GARD® Waterproof Outerwear.

### **Level 1           “Momentary Protection from Open Flame”**

These Garments are recommended for use in areas where you may be exposed to an open flame. They are tested to industry standards for “Flame Resistance” and when exposed to a vertical flame will self extinguish in less than 2 seconds when the source of flame is removed.

### **Level 2           “Momentary Protection from Open Flame” “Arc and Flame Resistant Rainwear”**

FR FLAME-GARD® Waterproof Outerwear in this category is recommended for hazard areas that require both Level 1 protection from open flame and additional protection for exposure to electrical fault accidents. These garments comply with the ASTM F1891 standard “Arc and Flame Resistant Rainwear”. Fabrics and garments are certified to the same flame resistance standard as a Level 1 garment along with testing and certification in an aggressive test where the materials are exposed to violent electrical arc faults. As a result, the Arc Rating (Arc Thermal Performance Value - ATPV) is noted on the garment label ensuring you know exactly what level of electrical hazard protection the garment provides. This information is crucial in selecting the appropriate FR FLAME-GARD® Waterproof Outerwear to comply with NFPA 70E ‘Standard for Electrical Safety Requirements for Employee Workplaces’.

### **Level 3           “Momentary Protection from Open Flame” “Arc and Flame Resistant Rainwear” “Workwear for Protection from Hydrocarbon Flash Fire”**

When your work exposes you to a variety of high-risk jobs you need the protection of Ranpro Level 3 Flame Resistant FLAME-GARD® Waterproof Outerwear. The utmost in protective outerwear, Level 3 garments provide the ultimate blend of comfort, flexibility and protection from hazardous environments. Garments in this category offer both Level 1 and Level 2 protection with added protection against flash fire. Not only will these garments keep you warm, comfortable and dry but they will also offer an increased level of protection. All Level 3 garments are designed using the most technologically advanced fabrics made from NOMEX® fibres and are subjected to rigorous, hazard specific testing, ensuring you that the garments will perform when you need them to.

**EXTREME**  
C O N D I T I O N  
P R O T E C T I V E   A P P A R E L

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