

**DATA SHEET**  
**HOT SHIELD ULTRA SHROUD EXTREME UNIVERSAL REPLACEMENT HELMET SHROUD**  
**MODEL UNI-V2**

The Ultra Shroud Extreme is a nearly universal replacement helmet shroud for wildland helmets. The Ultra Shroud Extreme overlaps and wraps the face. The overlapping sections are designed with a double layer mesh that serves for easy air exchange. A supplied customization kit allows attachment to nearly any wildland helmet in existence. We use CarbonX materials from Tex Tech Industries, a proprietary material tested to far exceed the Radiant Protective Performance requirements of NFPA #1977 Standards for Wildland PPE (see charts on website). Lightweight, about 4.5 oz. Designed by firefighters for firefighters. One size fits all.

**ULTRA SHROUD MODEL UNI-V2 DATA SHEET**

<b>Name:</b>	Ultra Shroud Extreme
<b>Model Number:</b>	UNI-V2
<b>Weight:</b>	4.5 oz. / 126 grams
<b>Sizing:</b>	One size fits all. FR hook & loop fasteners secure to interior of helmet.
<b>Main Benefits:</b>	1) Protection from burns to the ears and neck. 2) Large airborne particulate relief by use of overlapping “mesh” fabric at mouth.nose area.
<b>Description:</b>	Can be classified as an interface component. Offers some measure of respiratory relief by filtering large airborne particulate through use of 2 layers of FR knit mesh. Designed to be installed in nearly any brand of wildland helmet.
<b>Main Users:</b>	Can be used by firefighters, oil refinery workers and others in areas where heat, flame and airborne particulate hazards exist.
<b>Limitations:</b>	Will not filter or block fire gases and vapors.
<b>Coverage:</b>	Designed to cover the face and neck below the helmet brim and approximately to the shoulders & neck area depending on the individual.
<b>Product Testing:</b>	Mask itself subjective only. CarbonX materials have been objectively tested and exceed minimum requirements for NFPA Standard #1977 Wildland Protective Clothing and Equipment, 2008 & 2011
<b>Care:</b>	Machine, hand or dry clean.
<b>Warranty:</b>	One year materials & workmanship.
<b>Miscellaneous:</b>	Nighttime visibility thru use of 3M reflective trim.
<b>Sold by:</b>	Only authorized dealers; see our website for a list.

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## FREQUENTLY ASKED QUESTIONS - ULTRA SHROUD EXTREME

### **Q: CAN THE ULTRA SHROUD UNI-V2 PROTECT ME FROM SUPER HEATED AIR?**

A: No, only a positive pressure breathing apparatus can do this! Use of an Ultra Shroud does not afford the user complete protection against burns to the face, neck or respiratory tract. The risk of burns to the face and neck areas are dramatically reduced both due to the design of the Ultra Shroud and the materials used in its construction.

### **Q: HOW DOES THE HOT SHIELD ULTRA SHROUD EXTREME PROTECT ME?**

A: The outer shell of the Ultra Shroud Extreme is made of super tough & extreme fire resistant CarbonX fabric. This material is inherently non-flammable and will not burn, ignite, char, shrink or decompose even at extremely high temperatures. CarbonX accomplishes this with less weight than traditional PPE materials. CarbonX was initially developed by a race car driver after he suffered severe burns and is used extensively in that industry in racing suits & gloves. Hot Shield USA has been using CarbonX exclusively since November 2001.

### **Q: IS THE ULTRA SHROUD UNI-V2 COMPATIBLE WITH ALL TYPES OF WILDLAND HELMETS?**

A: The Ultra Shroud is designed to fit nearly any wildland helmet made by use of the special fasteners included with each package.

### **Q: IS THE ULTRA SHROUD UNI-V2 COMPATIBLE WITH GOGGLES OR PRESCRIPTION GLASSES?**

A: Yes. That is one of its advantages.

### **Q: HAS THE ULTRA SHROUD BEEN INDEPENDENTLY TESTED?**

A: Only the materials, not the ensemble (the shroud) itself. CarbonX materials far exceed minimum requirements for NFPA Standard #1977 Wildland Protective Clothing and Equipment, Editions 2008 and 2011. CarbonX test data can be found on the website [www.Carbonx.com](http://www.Carbonx.com). CarbonX fabrics far exceed NFPA #1977, Edition 2011, Section 8.2, Radiant Protective Performance (RPP), Section 8.3 Flame Resistance and 8.4 Heat & Thermal Shrinkage Resistance.

### **Q: WHAT LIMITATIONS OR EXCEPTIONS ARE THERE?**

A: Although the Ultra Shroud is made with highly thermal resistant materials, it is not fire proof nor do we guarantee risk of burns are eliminated. Proper use will help prevent burns but not all types of burns, such as superheated air. We highly recommend the use of an additional face mask, like the model HS-2 for more complete protection. We also recommend all personnel use a carbon monoxide detector and rotation of personnel in the hazard environment to lessen the risks. No negative

pressure type device or garment available to date, has been found to protect sufficiently against this hazard.

**Q: IS THE HOT SHIELD UNI-V2 COMPLIANT WITH NFPA STANDARDS?**

A: No, it is not. NFPA Standard #1977 contains a category and requirements for a face neck shroud. However, the UNI-V2 Ultra Shroud because its design is substantially different and unique and does not conform to the Standards design requirements. However, all Hot Shield masks, including the UNI-V2 Ultra Shroud, far exceed the *thermal protection performance requirement minimums* of any & all categories listed in NFPA Standard #1977 (pants, shirts, etc), as well as NFPA Standard #1971 and #2112.

Note: The thermal protection performance minimums in NFPA Standard #1977 are set low; even FR cotton will “meet or exceed” the Standard. Further, human skin will begin to burn at approximately at a mere 116 degrees F. If a chosen piece of protective clothing meets the minimum thermal protective performance, but cannot adequately prevent the inside temperature from rising beyond 116 degree F for more than 1 second of time, your skin will suffer a burn. Logic dictates our skin must be adequately protected from the workplace hazard that may be encountered.

**Q: WHAT KIND OF MAINTENANCE OR ANY SPECIAL CLEANING PROTOCOLS CAN I EXPECT?**

A: Hand, machine or dry cleaning. Fasten any Velcro before machine washing to prevent ripping and tearing of fabric mesh.

**Q: WHAT LENGTH OF SERVICE CAN I EXPECT TO SEE?**

A: With normal firefighter abuse/use, you should not find replacement issues for at least 5-10 years. There is not much to break or tear. We warranty all of our products for one full year.

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