

CARBON



Non-flammable fabrics that save lives

From fighting battles to fighting fires to pouring liquid steel to racing at over 300 mph, professionals in high-risk occupations insist that their protective apparel be made from CarbonX® fabrics. While other fire resistant fabrics provide some protection against flames, eventually they all melt or break down, leaving users vulnerable and often seriously injured. Only CarbonX® stands up to heat or flames up to 3,000 degrees, so only CarbonX® provides the ultimate protection and 100% peace-of-mind.

IS YOUR FABRIC NON-FLAMMABLE?



Time elapsed 90 seconds

"On February 2, 2004, my husband was at work in a steel mill, on a bobcat pushing hot slag. Hot met cold and molten slag exploded all over his body. The steel melted the safety belt on the bocat, (so) he couldn't free himself. He was wearing the normal steel mill greens (FR cotton), but he had also worn his CarbonX® underwear that night due to the cold evening. The greens he was wearing burnt off of him almost completely. The CarbonX® hood and underwear he had on saved his life."

~ Sarah Dean

CARBONX.COM

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A Chapman Innovations Product

CarbonX®

CarbonX® fabrics are based on patented blends of high-performance fibers that will not ignite, burn, char, shrink or significantly decompose when exposed to intense flame, molten metal, arc flash or high heat. Even after intense exposure, CarbonX® maintains its integrity and continues to protect. These capabilities are why CarbonX® is the best non-flammable fabric on the market today.

Performance

Flame: CarbonX® stands up to direct flame better than any material. Even after extended exposure CarbonX® will not ignite, char or crack which provides the protection wearers need during exposure to flame.

Splash Metal: CarbonX® provides an outstanding persistent protective barrier against dangerous metal splash – and an excellent supplement to standard personal protective equipment (PPE). In addition, aluminized CarbonX® jackets, spats and gloves offer a lighter, more comfortable, and more effective alternative to traditional aluminized clothing.

Arc Flash: Arc flashing can produce temperatures up to 35,000F in less than a second. This sudden, intense heat can ignite most flame-resistant clothing, melt clothing into skin, and cause serious second and third-degree burns. CarbonX® clothing provides the best possible protection against electrical arcing injuries because it distributes heat evenly and maintains its integrity – even under the extreme conditions caused by electrical arcing.

About Chapman Innovations: Founded in the late 1990s, Salt Lake City-based Chapman Innovations develops, produces and markets thermal fabric solutions for a variety of industries and end-uses. Chapman's products exceed industry specifications, and on a daily basis protect people that work in some of the world's most hazardous situations.

Products

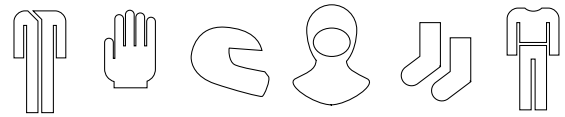
CarbonX® delivers better ounce-for-ounce protection against direct flame and extreme heat than any other fabric. This translates directly into fewer layers and increased comfort.

Knit Fabrics: Lightweight, comfortable and breathable fabrics for next-to-skin applications from 4 to 10oz/yd².

Woven Fabrics: Durable fabrics from 5 to 25oz/yd² that include plain, weather resistant and aluminized products.

Non-Woven Fabrics: Standard and reinforced non-wovens in a variety of weights and thicknesses.

Apparel: CarbonX® can be found in base-layer garments, gloves, socks, hoods, work-wear, over-garments, shoes, boots and many other items.



CarbonX Partners

