



What is sublimation? How does digital sublimation printing work? What is an "all over print"? These are just some of the many questions our customers have when exploring the world of blank and decorated apparel. Below are a few terms commonly used on our website and in the apparel industry.

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wicking technology is technology that keeps you cool and dry every time you wear it. PURE-tech™'s intelligent design delivers superior moisture-wicking features shown to improve the body's core performance. Our UV-certified fabrics dry rapidly and maximize absorbency. PURE-tech™ is permanent and proven to last, providing effective moisture-wicking capabilities throughout the life of the garment. Wash after wash, and game after game — PURE-tech™ stands up to the toughest athletic challenges, keeping you cooler and dryer longer than non-performance apparel.

is Zinc based technology keeps fabrics fresh and defends against odor causing bacteria. In addition to providing enhanced performance during use, the antimicrobial feature also helps to extend the useful life of the product.

is ideal for team sports, workforces, adventures, coastal sports, and any high endurance activity. Featuring UPF 50+ solar protection, the Solar Performance fabric is lightweight, comfortable, and built to last.

SUBLIMATION Vapor Apparel garments that are Sublimation CertifiedsM are specifically engineered for the sublimation process. When a garment is marked as Sublimation CertifiedsM, it means the color of the fabric will work with a wide swatch of the sublimation color gamut, producing superior image quality.



Fashion Friendly Field-Tested Protection Vapor Apparel Solar Line earns The Skin Cancer Foundation's Seal of Recommendation

Vapor Apparel's line of Solar shirts has earned The Skin Cancer Foundation's Seal of Recommendation. This is another positive event for a product that is growing the market for sublimation printers. Offered in an array of Sublimation Certified colors, the Vapor Solar Long Sleeve

is now recognized as an effective UV protectant.

The Skin Cancer Foundation grants its Seal of Recommendation to products that meet the Foundation's specific criteria for effective UV sun protection. The Seal program covers many categories of sun protection, each with its own specific standards. To earn the Seal of Recommendation, a manufacturer must provide scientific data showing that its product sufficiently and safely aids in the prevention of sun-induced damage to the skin. The data is reviewed by a volunteer committee of photobiologists - experts in the study of the interaction between ultraviolet radiation and the skin.





"We are extremely pleased to be making this announcement" says Brandon Barber, Director of Manufacturing at Vapor Apparel. "Our customers in North America and Europe have another reason to recommend our products to their most discerning clients."

"Clothing is the first line of defense against the sun's harmful ultraviolet rays and an important part of a complete sun protection regimen," says Deborah S. Sarnoff, MD, President of The Skin Cancer Foundation. "We're happy to welcome another great clothing brand to the Seal of Recommendation program, our flagship consumer education initiative."

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About the Skin Cancer Foundation: The Skin Cancer Foundation is the only global organization solely devoted to the prevention, early detection and treatment of skin cancer. The mission of the Foundation is to decrease the incidence of skin cancer through public and professional education and research. Since its inception in 1979, the Foundation has recommended following a complete sun protection regimen that includes seeking shade and covering up with clothing, including a wide-brimmed hat and UV-blocking sunglasses, in addition to daily sunscreen use. For more information, visit SkinCancer.org.

The Below Products Are All Recommended:

Men's Solar Long Sleeve | Men's Solar Short Sleeve | Ladies Solar Long Sleeve | Ladies Solar Short Sleeve Solar Hoody | Youth Rash Guard | Youth Solar Long Sleeve | Youth Solar Short Sleeve | Sport Sleeve | Sport Sleeve | Youth Solar Long Sleeve | Youth Solar Short Sleeve | Sport Sleeve | Sport Sleeve | Youth Solar Short Sleeve | Sport Sleeve | Youth Solar Short Sleeve | Youth Sleeve | Yout

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All Over Print - All over printing is a type of sublimation printing process that applies a design to a complete sublimation-ready garment. All over printing designs are commonly seen in fashion t-shirts and dresses, and often these garments have production marks or "press folds" at the hem points and under the arms where the design didn't completely transfer. Templates customized to the size of the blank garment being sublimated are very helpful for the process. Garments are laid flat under a heat press that is able to cover the surface area of the fabric. The process is completed as the press sublimates the ink onto the garment.

Blank Apparel - Blank apparel, commonly referred to as "blanks," are undecorated garments for the embellishment industry. Blanks are perfect for private label merchandise, and can be used for digital sublimation printing, direct to garment printing, and screen-printing.

Digital Sublimation Printing - A full color digital print technology that works with polyester substrates and polymer coated substrates. The sublimation dyes are carried via liquid ink or gel ink through a piezo-electric print head and deposited on a high-release inkjet paper to then be transferred onto the substrate. The print technology requires a combination of time, temperature and pressure to "transfer" the sublimation dyes into the polyester molecules on the substrate from the high-release inkjet paper. The conventional equipment for sublimation transfer is a heat press. The result of this process is a virtually permanent full color, high resolution print that will not crack, fade or peel from the substrate under normal conditions. Most sublimation dyes start to sublimate at 350° Fahrenheit but 380-400° is recommended for most substrates. Digital sublimation printing works on light colored, polyester or poly coated substrates. Athletic textiles, sports performance apparel, ceramic products and poly coated fiber reinforced plastic are some of the main product categories. Digital sublimation printing is also used in the creation of trade show displays, snowboards, skis and skateboards. Digital sublimation printing is commonly referred to as "dye sub" printing, or simply "sublimation."

Sublimation - Sublimation is a scientific term for a phase transition where a solid material changes into a gas without passing through the liquid stage. Sublimation is an endothermic reaction and occurs when the right amount of pressure and heat are applied to a solid. In digital sublimation printing, the pressure and heat from a press change the ink from a solid transfer sheet into a gas, which is then transferred at the molecular level onto a sublimation certified garment. Most sublimation dyes start to sublimate at 350° Fahrenheit, but 380-420° is recommended for most substrates to attain maximum color. The time and temperature of the sublimation process is dependent on the type of fabric used for digital sublimation printing.