Alpha workwear

Alpha® workwear by Viz Reflectives N.A. has been committed to protecting workers by providing the most technically advanced, next-generation high visibility garments which far exceeds ANSI's minimum requirements.

Alpha® garments feature our patented VizLite® DT which offers 3 levels of protection:

1.Fluorescence

2.Retro-reflectivity

3.Phosphorescence.

A typical high visibility garment offers daytime and nighttime visibility - with one flaw. In the day - the bright colored fluorescent fabric keeps users conspicuous. In the night, silver retro-reflective tape kicks in by reflecting light back to its source (car headlights for example). When no light source is available, both the silver reflective and the fluorescent fabric are invisible. Here's where Alpha® WorkWear offers a solution!

Imagine a garment that provides visible confidence to the wearer in all types of light situations. Alpha's patented VizLite® DT tape utilizes innovative phosphorescence technology to solve this low-light problem. As the wearer's environment becomes "dim" our phosphorescent technology begins to slowly release stored energy that the human eyes sees as a "glow" offering the wearer a new type of visibility. Our patented formula exceeds ANSI standards for visibility and durability. We achieve up to 10 times the required wash/wear life of typical high visibility garments.

Alpha's garments offer a level of protection not yet seen in the industrial market. We've worked extensively to develop our patented DT tape and technical fabrics to provide the optimum mix of protection, durability and comfort to deliver best in industry garment performance.

Observability of Phosphorescent vs. Fluorescent/Reflective Materials

Once fully charged - VizLite® DT has an emission lifetime of up to 8 hours. The glow's brightness reduces sharply in the first 15 minutes but then at a slower pace over the remaining period of time. In zero or very low light conditions the viewer will see very little reduction in the afterglow as their eyes would have adjusted to the darkness. However, when the viewer goes from a bright to dark area their vision of the glow's brightness will be lower as their eyes have not adjusted. Florescent and reflective materials need an external light source. Florescent fabric absorbs UV daylight and reflective tape reflects light back to the source. Phosphorescent materials are ideally suited for low light and no light conditions whereas fluorescent fabrics are best suited to low light and daylight conditions, especially dawn and dusk.

VizLite® Dual Technology Patent Pending No. PCT/GB2015/052140

There is unlimited variety of potential applications for Phosphorescent High Visibility garments, therefore, before any of our products are used, customers must determine whether the products are suitable for the intended use. The Phosphorescent element on these garments is an additional safety feature for low light and dark conditions. The Purchaser, and not Viz Reflectives NA or any Viz Reflectives NA authorized distributor, is solely responsible for determining the suitability and proper use of the products. While this product will enhance the visibility of the wearer in low light and dark conditions, it is not intended to replace any safe working practices. Neither Viz Reflectives NA or any Viz Reflectives NA authorized distributor shall be liable for any incidental, special or consequential damages relating to the use or inability to use the products, regardless of legal theory used.

Viz Reflectives North America