

## HIGH VISIBILITY CLOTHING

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### What is high- visibility clothing?

High-visibility clothing is the clothing that is highly luminescent color which is easily visible from any background. These clothing is a form of protective clothing which are made from fluorescent material with reflective tape or shapes added for extra visibility. It is used to make the wearer more visible to those around them. The concept of these clothing is based on the fact that certain colors easily reflect light against a dull background thus highlighting the user. The wearer of such clothing becomes visible during the night when light from an oncoming vehicle hits the vest.

Earlier yellow waistcoats worn by emergency services are a common example of this type of clothing, however, now many colors in the color spectrum is acceptable. According to international standard, acceptable high-visibility colors include fluorescent yellow-green, fluorescent orange-red and fluorescent red.



The reflective material used in the garment is made of fabric that is dipped and covered in millions of microscopic glass beads. Each bead acts as a tiny little mirror, which surrounds a yarn. These mirrors reflect light in every direction. This fabric is considered a rough surface unlike a smooth surface. The minute mirrors embedded in the fabric face every direction which causes all its rays to reflect in every direction and thus no clear image is formed.

### High- visibility clothing – Features and application area

These high visibility or reflective fabric has various features. These clothing are soft, breathable, wind resistant, water repellent, self-adhesive and durable.

Reflective or high visibility clothing comprises of jackets, bands, caps, ankle bands, arm bands, jumpsuits, shirts, pants etc.



## Summary

There are innovations and research going on in high visibility clothing manufacturing. Some manufacturers are creating reflective fabrics that increase visibility and safety in dim light conditions such as snow, fog, and darkness at night. Some manufacturers weave reflective yarns into soft, comfortable fabric. These allow clothing to be ideal for sports such as snowboarding and cycling, and work like police and roadside emergency work.

Wishing you a great week ahead!

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