

Visibility

The human visual system is a complex science. There are many aspects involved from when a person first detects an object until a person can identify exactly what something is. In current norm making, form and movement recognition are central concepts. By combining the properties of fluorescent and reflective materials together with design requirements, the correct garment for the right purpose can be constructed.

What is then the difference between fluorescent and reflective materials? Read more on page 11.

Fluorescent Colours

Put very simply - fluorescent materials used in PPE are materials that absorb UV light. UV light is not visible to the human eye. The material then emits the light in a longer wavelength visible to the human eye. UV light is only visible during daytime conditions.

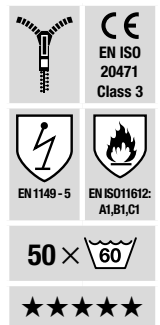
The most striking effect of fluorescence occurs at dusk and dawn. For the purpose of PPE and CE marking, the colours providing conspicuity are clearly defined. It is then up to the user to choose the colour giving the best contrast to the environment for the intended area of use. As an example, orange may provide better contrast against a snow covered background than yellow.

Reflective Material

Retroreflective materials are materials that reflect light or other radiation back to its source.

The use of reflective materials provides night time conspicuity of the wearer so they are safely and effectively visible in the light of an approaching driver's headlamps. Best effect is achieved when there is a small angle between the light source directed towards the material and the viewer.

Minimum performance levels are defined for PPE and CE marking purposes. Current technology allows the use of microprismatic and glass bead type materials.



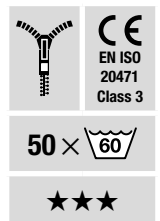
306 FR+AS

Flame retardant and antistatic properties

Limited flame spread and protection against convective and radiant heat. Holders on shoulder front and loop for hanging.

Sizes: M – XXL

Fabric: Cotton/acrylic, 270 g/m²



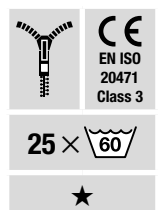
313

Long sleeves and two pockets

Available in many sizes. Internal pockets with zipper closure. Holders on shoulder front and loop for hanging.

Sizes: XS – XXL

Fabric: 100% polyester, 130 g/m²



327

Cost-efficient one-size vest

Zipper and loop for hanging.

Sizes: One-size

Fabric: 100% polyester, 130 g/m²