



# High Visibility Clothing



## STANDARDS GUIDE



### EN 471 - High Visibility

Harmonised European Standard for high visibility clothing. It intends to make users in hazardous situations conspicuous under any light conditions.

The Standard provides for two performance parameters:

- X - Surface of fluorescent and retro-reflective material (3 levels)
- Y - Quality of the retro-reflecting materials (2 levels)



### EN 471 Class 3 - Highest Level of protection

This is required for any person working on or near motorways or dual-carriage ways or airports. Must incorporate a minimum of 0.80m<sup>2</sup> of background material and 0.20m<sup>2</sup> of retro-reflective materials (4 metres of 5cm wide reflective tape).



### EN 471 Class 2

Intermediate Level required for any persons working on or near A and B class roads, also for delivery drivers. Must incorporate a minimum of 0.50m<sup>2</sup> of background material and 0.13m<sup>2</sup> of retro-reflective material (2.60 metres of 5cm wide reflective tape).



### EN 471 Class 1-

Minimum Level of protection required for any persons working on a private road or to be used in conjunction with a higher classed garment. Must incorporate a minimum of 0.14m<sup>2</sup> of background material and 0.10m<sup>2</sup> of retroreflective material. (2 metres of 5cm wide reflective tape).



### EN 1150 Protective Clothing

This European Standard specifies the optical performance requirements for high visibility clothing to be worn by adults and by juveniles, and designed for nonprofessional use.



### GO/RT 3279 Rail Industry Standard

Railway Group Standard sets out the minimum specification for high visibility warning clothing in the rail industry.



### EN 510 Anti-Entanglement

This standard specifies the properties of protective clothing that minimise the risk of its entanglement or drawing-in by moving parts when the wearer is working on or near hazardous moving machines or devices.



### EN 343 Protection against rain

This harmonised European Standard applies to garments worn in adverse weather conditions. It specifies the characteristics of protective clothing against the influence of foul weather, wind and cool - 5°C. The Standard provides for two performance parameters:

- X - Breathable properties (3 levels)
- Y - Waterproofness (3 levels)



## High Visibility- basic guide

Our High Visibility range of clothing is fully certified and tested to standards:

- > EN 471
- > EN 343
- > EN 1150