# Personal Protective Equipment Standards Guide

Your First Choice Supplier

PERSONAL PROTECTIVE EQUIPMENT

## RESPIRATORY

**EN149** Respiratory Protection
**EN136**
**EN140**
**EN143**
**EN1827**
**EN14387**

Filter Type –
A – Organic Vapours and Gases with a boiling point of 65 degrees and above
B – Inorganic Vapours and Gases (excluding Carbon Dioxide/Monoxide)
E – Sulphur Dioxide and other Acidic Vapours and Gases
K – Ammonia and Ammonia Derivatives Vapours and Gases
ABEK – Combination filter, all of the above
P – Dust/Particle

Filter Classification –
1 – Low Dust Efficiency/Gas Vapour Capacity
2 – Medium Dust Efficiency/ Gas Vapour Capacity
3 – High Dust Efficiency/Gas Vapour Capacity

## EYEWEAR

**EN166** Industrial Eye Protection includes BS 2092

Optical Standard – Lens -:
1 - For continuous work
2 - For intermittent work
3 - For occasional work, and should not be worn continuously

Mechanical Properties – Lens and Frame -:
A – High energy impact
B – Medium energy impact
F – Low energy impact
T – General purpose impact, performance at extreme temperature, increased robustness

Type of use – Frame
3 – Chemical liquids
4 – Large dust particles
5 – Gas and fine dust particles
8 – Short circuit electrical arc
9 – Molten metals and hot solids (Frame & Lens)

Optional – Lens
N – Resistant to misting
K – Resistant to mechanical damage – anti-scratch

## FOOTWEAR

**EN345** Protective Footwear

| | | |
|---|---|---|
| NS | - | Non-Safety- does not comply with the EN345 Standard |
| SB | - | Safety Basic – complies with the EN345 Standard |
| SBP | - | SB with pierce resistant midsole |
| S1 | - | SB with cushioned heel and anti-static sole |
| S1P | - | SB with pierce resistant midsole, cushioned heel & anti-static sole |
| S2 | - | SB with water resistant upper, cushioned heel & anti-static sole |
| S3 | - | SB with water resistant upper, pierce resistant midsole, cushioned heel & anti-static sole |
| S5 | - | SB with water resistant upper, pierce resistant midsole & anti-static sole |

## EAR DEFENDERS

**EN352** Ear Protection
-1 – Ear Muffs
-2 – Ear Plugs
-3 – Helmet Mounted Ear Plugs
-4 – Level Dependant Ear Muffs
-5 – Active Noise Reduction Ear Muffs
-6 – Ear Muffs with Electrical Audio Input
-7 – Level Dependant Ear Plugs

## GLOVES

**EN388** Protective Gloves – Mechanical Risk

Coded in the form of - (a.b.c.d.) the higher the number the better the performance level with regard to the type of resistance. Where an X is shown it means that particular resistance level is not applicable.

| | |
|---|---|
| a. Abrasion Resistance | Performance Level 0 – 4 |
| b. Blade Cutting Resistance | Performance level 0 – 5 |
| c. Tear Resistance | Performance Level 0 – 4 |
| d. Puncture Resistance | Performance Level 0 – 4 |

## HELMETS

**EN397** Safety Helmets
**EN14052** High Performance Safety Helmets
**EN812:A1** Safety Bump Caps
**EN12899** Helmet Reflective striping

## FIRE RETARDANT CLOTHING

**EN470-1/ EN531** Protective Clothing – Fire Retardant/Industrial Heat

A – Limited Flame Spread and should have at least one of the following:-
B (range 1-5) Convective heat resistance
C (range 1-4) Radiant Heat resistance
D (range 1-3) Molten aluminium splash
E (range 1-3) Molten iron splash

**EN532 & EN533** Protection against Heat and Flame

## HIGH VISIBILITY CLOTHING

**EN471 Class X:Y** High Visibility Protective Clothing

Where X is the surface area of both fluorescent and reflective materials of the garment
Class 1 – Lowest Protection Level
Class 2 – Intermediate Protection Level
Class 3 – Highest Protection Level

Where Y is the quality of the reflective material
1 – Lowest
2 - Highest

**GO/RT 3279** Protective Clothing for Railway Use

## WET WEATHER CLOTHING

**EN343 Class X:Y** Protection against Rain

Where X is the waterproof level of the garment
1 – Low
2 - Medium
3 – High

Where Y is the breathability level of the garment
•1 – Low
•2 - Medium
•3 – High

## FALL ARREST EQUIPMENT

**EN354** Fall Arrest – Lanyards
**EN355** Fall Arrest – Energy Absorbers
**EN358** Fall Arrest – Belts
**EN360** Retractable Fall Arresters
**EN361** Fall Arrest – Full Body Harness
**EN362** Fall Arrest – Connectors