

## STANDARDS



### Directive EU 2016 / 425 - Personal Protective Equipment

The aim of the Directive is to ensure the free movement of personal protective equipment (PPE) within the Community market by completely harmonizing the essential safety requirements to which it must conform.

The Directives defines “essential requirements” which PPE must satisfy at the time of manufacture and before it is placed on the market: the general requirements applicable to all PPE; the additional requirements specific to certain types of PPE; and also the additional requirements specific to particular risks.

### EN ISO 13688 - Protective clothing, General requirements



EN ISO 11612  
Protection against heat  
and flame

EN ISO 11612 Performance levels  
A: Limited Flame Spread (A1 - A2)  
B: Convective Heat (B1-B2-B3)  
C: Radiant Heat (C1-C2-C3-C4)  
D: Molten Aluminium (D1-D2-D3)  
E: Molten Iron Splash (E1-E2-E3)  
F: Contact Heat (F1-F2-F3)



EN 1149  
Electrostatic properties  
(Anti Static)



EN ISO 14116 - Limited flame  
spread, heat & flame  
protection

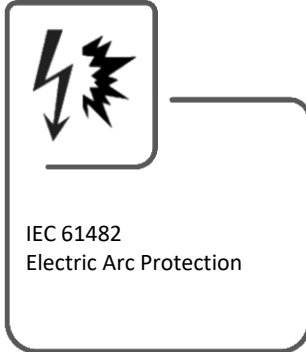


EN ISO 11611  
Welding Protection

EN ISO 11611 Performance levels

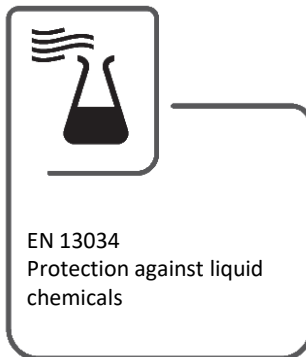
Class 1 : Protection against splash and welding at lower levels  
Class 2 : Protection against splash and welding at high levels

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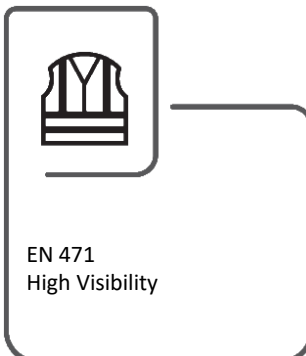
IEC 61482 Performance levels

APC 1 / Class 1 : 4kA  
APC 2 / Class 2 : 7kA



EN 13034 Performance levels

Type 6 : Sulphuric acid (30%) , Sodium hydroxide (10%) and  
1-Butanol - (6 Levels)

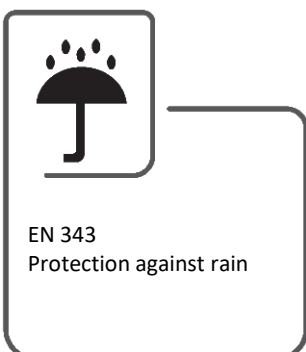


EN ISO 20471 Performance levels

X: 3 Levels - Surface of fluorescent and retroreflective material  
Y: 2 Levels - Quality of the retroreflective materials

EN ISO 17353 Performance levels (Dark conditions)

Levels : Type A, Type B, Type AB,  
Type B1, B2 , B3



EN 343 Performance levels

X: Rain-Water proofness (3 Levels )  
Y: Breathability (3 Levels )

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EN 469 Performans  
Levels 1 and Level 2

Xf1 / Xf2 Heat transfer, flame  
Xr1 / Xr2 Heat transfer, radiation  
Y1 / Y2 Water resistance  
Z1 / Z2 Water vapour penetration resistance

EN 1486 Aluminized Firefighter Suit

