

EUROPEAN STANDARDS

CE MARKING

All Personal Protective Equipment (PPE) in the European Union is required to carry CE marking as a sign that the product complies with the essential requirements of directive 89/686/EEC. PPE falls into three categories.

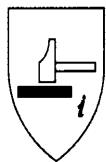
- **Simple Design** - for minimal risks only, where the effects of the hazard are of minimal risk and the consequences are reversible.
- **Intermediate Design** - a glove tested against at least one hazard and approved by a notified body.
- **Complex Design** - for hazards which cause irreversible effects or mortal danger. Gloves must be tested against the relevant hazard(s) and manufactured under an approved Quality Assurance System such as ISO9000.

General Requirements EN420

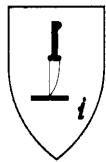
This lays out the general requirements of most types of protective gloves including:

- Fitness for purpose
- Ingress of water
- Consumption
- Storage
- Sizing
- Product information, marking and packaging
- Technical information to be available

Mechanical Hazards EN388



- a Resistance to abrasion
- b Blade cut resistance
- c Tear resistance
- d Puncture resistance



Impact cut resistance



Antistatic

Where 0 indicates test performance below level 1

Where an X appears in the sequence, no test was carried out.



Chemicals and Micro-Organisms EN374



Micro-organisms : Resistance to penetration by micro-organisms through porous materials, seams, pinholes or other imperfection in the glove material. Referred to as acceptable quality level (AQL).



Resistance to Chemical Hazards:
The measurement of time for a chemical to permeate through the glove material.

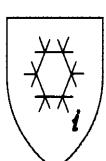
Thermal Hazards EN407



- a Resistance to flammability
- b Resistance to contact heat
- c Resistance to convective heat
- d Resistance to radiant heat
- e Resistance to small splashes of molten metal
- f Resistance to large splashes of molten metal



Protection from Cold EN511



- a Resistance to convective cold
- b Resistance to contact cold
- c Permeability of water

Where 0 indicates test performance below level 1