



# 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

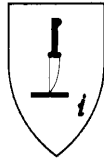
This lays out the general requirements of most types of protective gloves including:

- Fitness for purpose
- Innocuousness
- Construction
- 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

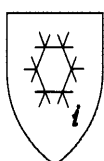


- a Resistance to flammability
- b Resistance to contact heat
- c Resistance to convective heat
- d Resistance to radiant heat
- e Resistance to small splashes of molten metal
- f Resistance to large splashes of molten metal

Where 0 indicates test performance below level 1

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

## 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

