

## WHAT DOES CE MARKING MEAN?

CE is a European safety mark – it means products with the CE mark have been tested to a minimum standard. Having a CE mark is often required for Personal Protective Equipment as it indicates that a garment meets minimum standards for High-Visibility or that boots have a minimum standard of protective cap etc.



**EN ISO 20347:2004 specifies basic and additional (optional) requirements for occupational footwear that is not exposed to any mechanical risks (impact or compression).**

Boots meeting the standard for occupational footwear should have EN ISO 20347:2004 printed on them (usually in the tongue), followed by a sequence of letters. Each letter represents a particular feature that has been tested and certified such as waterproofness or slip resistance. Occupational footwear is not required to have a protective toecap.

<b><i>BASIC REQUIREMENTS</i></b>		
	<b>OB</b>	Meets basic requirements for occupational footwear
	<b>O1</b>	Meets basic requirements plus oil resistant outsole, anti-static, energy absorbing, closed heel
	<b>O2</b>	As O1 plus water penetration and absorption
	<b>O3</b>	As O2 plus penetration resistance and cleated sole
<b><i>SLIP RESISTANT RATINGS</i></b>		
	<b>SRA</b>	Meets minimum requirement on ceramic tile with sodium lauryl sulphate solution
	<b>SRB</b>	Meets minimum requirements on steel floor with glycerol
	<b>SRC</b>	Passes both of SRA and SRB
<b><i>ADDITIONAL PROTECTION</i></b>		
	<b>HRO</b>	Heat resistant out-sole compound: shall withstand 300°C for 60 seconds
	<b>P</b>	Penetration resistant outsole: penetration force >1100N
	<b>A</b>	Anti-static: Electrical resistance between 0.1 and 1000MΩ
	<b>E</b>	Energy Absorption of the seat (heel) region: energy absorbed to >20J
	<b>WR</b>	Water resistant uppers
	<b>ORO</b>	Oil resistant out-sole
	<b>HI</b>	Heat insulation of sole complex
	<b>CI</b>	Cold insulation of sole complex
	<b>FRU</b>	Fire resistant uppers