BODDINGTONS ELECTRICAL LIMITED

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Boddingtons Dielectric Boots 1000V

Safety in a "live" environment

- Suitable for electrical contractors, utility workers, electric welders, telecom workers, slaughterhouse workers
- Conforms to EN345-1 & EN 50321 class 0 live working up to 1000V AC
- Every boot is tested to 5kV and 7.5kV
- Dielectric boots contain a 200 Joule Steel Toe Cap
- Dielectric boots are fitted as standard with a Superior Slip resistant Rubber sole. Sole resistant is 30% better than a PVC sole.
- Complete boot will give a leakage current of less than 5mA at 5kV

Electrical power plays an important role in modern society. We take it for granted and rarely think that it is dangerous but contact with electric current can cause serious injury and or death. Protection from accidental contact with live equipment and conductors is important for those exposed to electrocution risk. Electric shock resistant boots provide protection because their insulating properties stop current from being grounded.

A new footwear standard now exists for Power Engineers working on live power lines up to 1000V AC. This standard calls for boots to withstand 10,000 colts (10kV) for 3 minutes. This is measured by placing either 4 mm diameter stainless steel balls or water in the boot to within 40 millimeters from the top of the boot, the boot is then placed inside a stainless steel tank holding the water to a similar level. The steel tank holding the water forms the other electrode. Voltage is then applied to the boot and current measured after one minute. There are two tests described in this standard a withstand test carried out at 10kV for 3 minutes and a proof test carried out at 5kV when the current should be less than 5mA. The 10kV withstand test is considered by the standard to be destructive hence there should be no breakdown of the boot within 3 minutes. Boots which conform to EN 50321 are marked with a double triangle shown below.

Boddingtons Dielectric Boot surpasses the requirements of this standard it will withstand over 20kV on the complete boot and 30kV on the sole. At 10kV the boot has been tested over 8 hours with no deterioration in properties. The Dielectric boot also passes the requirements of the ASTM F1117-93.

The Dielectric boot is fitted with a rubber sole for superior slip resistance and gives a 30% improvement in coefficient of friction when measured using PM144. The Dielectric boot conforms to EN345-1; is 100% waterproof and has good pattern which is ideal for climbing ladders. The Dielectric boot has been designed to meet the requirements of the Power Industry.

Part No:	891907 – 891912/size : Size Range UK 7 – 13 European 39 – 47
Description:	Dielectric with Steel Toe cap and Rubber Sole
Certified to:	EN 345-1, EN 50321 and PPE DIR 89/686/EEC
Conforms to:	EN ISO 20345
Toe Cap:	200 Joule Epoxy Coated Steel to BS EN 345-1
Colour:	Yellow Shaft / Navy Blue Sole
Sole:	Fuel & Oil resistant vulcanised rubber sole for maximum grip increased wear, resistance to hot contact 30 seconds 300°C
Sole Design:	Cleated outsole for maximum grip. Slip resistance to TM 144 0.40 min. Forepart 0.9 Heel 0.8
Shaft:	Yellow Polyflex Dielectric compound
Shaft Design:	Kick off lug, extra shin protection, adjustable Height, ankle guard
Lining:	Washable knitted nylon (seamless)
Marking:	CE marked on the shaft with date and year
Specification:	Complete boot 20kV 3 minutes no damage Complete boot 5kV 5mA leakage current Complete boot 10kV 8 hours no damage Sole 35kV 3 minutes no damage

NB: Do not confuse antistatic and conductive footwear with electric shock-resistant footwear. It is the electrically insulating properties of Boddingtons HV boots that protect workers. Antistatic footwear and conductive footwear do the opposite (they conduct electricity)