

# DIELECTRIC BOOTS

## CLASS 2



**workMaster™**  
by RESPIREX

Power Generation

Power Distribution

Construction

Telecommunications

Transport

An electrically insulating dielectric boot with an integral steel toe cap and vulcanised rubber sole for superior slip resistance. The Workmaster™ Dielectric boot allows high-voltage live working at up to 17kV, with every boot tested at 20kV AC, with optional DC testing at 50kV (Class 2).



Live Working  
**CLASS 2**  
EN 50321-1  
**17 kV**



**40**  
Cal/cm<sup>2</sup>  
ARC FLASH TESTED

### Boot Upper

- Arc flash protection – Meets the requirements of ASTM F2621-2019 at 40Cal/cm<sup>2</sup>\*
- Yellow dielectric compound upper
- 200 Joule Epoxy coated Steel toe cap to EN ISO 20345
- Seamless construction
- Kick-off lug
- Adjustable height
- Non-wicking knitted nylon lining
- REACH Compliant

### Boot Sole

- Step voltage protection up to 35kV\*\*
- Blue vulcanized rubber sole for maximum grip - 30% better than a conventional safety boot sole
- Cleated outsole for maximum grip in wet and oily conditions (SRC)
- Greater cut resistance than conventional soles
- Two to three times the wear resistance of conventional soles
- Fuel and oil resistant
- Resistance to hot contact 60 seconds 300°C
- Cold insulation to EN ISO 20345 Cl
- Energy absorbing tunnel system in heel and ergonomic cushioning insole (removable & machine washable) for greater wearer comfort

### Care

- Machine washable at up to 40°C
- Shelf life of over 10 years

### Options

- Additional DC high voltage test
- Removable thermal liner

### High Voltage Test

Each boot: **20kV AC** - Leakage current <18mA over the three minute test cycle

### Certification

- **EN ISO 20345:2011 SB E CI HRO SRC FO**  
Safety Footwear
- **EN 50321-1:2018 Class 2 AC**  
Electrically Insulating Footwear for Live Working
- **ASTM F1117 (20kV)**  
Dielectric Footwear
- **ASTM 2413 EH (18kV)**  
Step Voltage Protection
- **PPE Regulation (EU) 2016/425**  
Personal Protective Equipment



### Sizes

UK	3	4	5	6	7	8	9	10	11	12	13	14	15
EU	35	36	37	39	41	42	43	44	45	46	47	49	50
US	4	5	6	7	8	9	10	11	12	13	14	15	16

\*The Workmaster™ Dielectric boot has been independently tested and meets the test requirements of ASTM F2621-2019.

\*\*Tested using the ASTM 2412-18a step voltage test method at 35kV with leakage current less than 1mA.

Specifications, configurations and colours are subject to change without notice.