

# DIELECTRIC BOOTS

## CLASS 2



**workMaster™**  
by RESPIREX

Power Generation

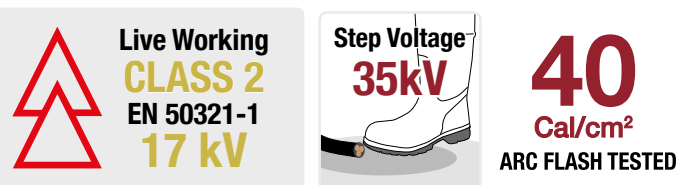
Power Distribution

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).



### Features

- Injection moulded using our proprietary **Dielectric compound** for a seamless boot with excellent electrical insulation properties
- **Step voltage protection** up to 35kV\*
- **Arc flash protection** – Meets the requirements of ASTM F2621-2019 at 40Cal/cm<sup>2</sup>\*\*
- 200 Joule epoxy coated steel **toe cap** (soft toe version also available)
- **Vulcanized rubber sole** for improved slip resistance - 30% better than a conventional safety boot sole
- **Durable, cut-resistant** vulcanised rubber sole, significantly extends working life, even in harsh terrain
- Cleated outsole for **maximum grip** in wet and oily conditions (SRC)
- **Heat resistant sole** EN 20345:2011 **HRO**, 60 seconds at 300°C
- **Cold insulation** to EN ISO 20345:2011 **CI**
- **Fuel and oil resistant** sole
- Ergonomic **cushioned insole** (removable & machine washable) for greater wearer comfort
- **Energy absorbing** tunnel system in heel to EN 20345:2011 E
- Non-wicking knitted nylon lining
- Kick-off lug
- Adjustable height
- CE marked on the shaft with date and year of manufacture
- REACH Compliant

### 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

### 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



### 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

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

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

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