



CLASS 2 DIELECTRIC SAFETY BOOTS

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 40kV (Class 1).

Workmaster Dielectric Boots are trusted by utility and power distribution companies globally to protect high voltage workers.

CERTIFICATION

- **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
- **EN ISO 20345:2022**
SB E CI HRO SR FO LG
Safety Footwear
- **PPE Regulation (EU) 2016/425**
Personal Protective Equipment



SPECIFICATIONS



CLASS 2 Insulating Safety Boot Certified to EN 50321-1 providing protection for live working at up to 17,000 volts



SB Category Safety Boot Complies with the requirements for safety footwear in EN ISO 20345



Cleated vulcanised rubber outsole for **maximum grip** in wet and oily conditions (**SR**)



Integral 200 Joule epoxy coated steel **toecap**



Fuel and oil resistant sole ensuring the working life of the boot won't be compromised if used in oily environments



Step Voltage Protection

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



Arc Flash Tested Independently tested to meet the requirements of ASTM F2621-2019 for exposure to electric arc energy at **40 Cal/cm²**.



Heat resistant sole EN ISO 20345 **HRO** 60 seconds at 300°C & **HI** 30 Minutes at 150°C



Cold insulation to EN ISO 20345 **CI** Internal temperature drops by less than 0.5°C after 30 mins inside a chamber at -17°C, 9.5°C better than required for CI marking



Energy absorbing tunnel system in heel to EN ISO 20345 **E**



Ladder Grip (LG) Additional cleats added to the instep of the footwear to improve grip on the rungs of a ladder.

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High Voltage Working

Our Class 2 Dielectric boots are designed to be used for live working up to 17kV and provide step voltage protection up to 35kV. For higher voltages, check out our Class 3 Dielectric HV3 Boots.

Ergonomic cushioned insole

Fitted as standard, our latest cushioned insoles provide excellent wearer comfort and support, and significantly improve thermal insulation

Vulcanised rubber sole

Provides excellent slip resistance (SR), and far greater durability than conventional moulded soles

Kick-off lug

For easy 'hands-free' removal of the boots.



OPTIONS



DIELECTRIC PRO The first EN 50321-1 Class 2 Dielectric safety boot to incorporate a penetration resistant mid-sole that provides electrical protection after nail penetration



DIELECTRIC T Provides the same performance as our Dielectric Class 2 boot, but in a metal-free design incorporating a composite toecap



Maxi and Compact Overboots insulating overboots for use over the top of safety boots (maxi) or safety trainers (compact)

CARE

- Machine washable at up to 40°C
- Shelf life of over 10 years
- All Workmaster boots are REACH compliant, PFAS free and CE marked on the shaft with date and year of manufacture

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

Note: The height of the boot can be adjusted by trimming down to to the second cut line moulded into the shaft of the boot

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

WorkMaster™ is a division of Respirex International Limited
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