

# DIELECTRIC N



GB User Information  
FR Guide d'utilisation  
DE Benutzerinformation  
ES Manual de usuario  
IT Manuale d'uso  
NL Gebruikersinformatie



**workMaster™**  
by RESPIREX



CLASS 2



CI



E

The safety footwear supplied by Respirix International Ltd complies with the PPE Regulation (EU) 2016/425 requirements according to the European harmonized standard EN ISO 20345:2011. The electrical properties of the footwear complies with EN 50321-1:2018 Class 0 AC (complete boot).

Module B certificate issued by SGS FIMKO OY, Takomotie 8, 00380 Helsinki, Finland.

UKCA Type-examination for Regulation 2016/425 by: Approved Body No. 0120, SGS United Kingdom Limited, Rossmoor Business Park, Ellesmere Port, South Wirral, Cheshire, CH65 3EN.

Workmaster™ Dielectric boots protect the wearer's toes against risk of injury from falling objects and crushing in a working environment. Impact protection provided is 200 Joules. Compression (crushing) resistance provided is 15,000 Newtons.

Workmaster™ Dielectric boots protect against a working Voltage of 1 kV AC by minimizing the leakage below 5 milliamps at the test voltage of 5 kV.

The Dielectric boot will withstand 20,000 Volts for 3 minutes on the complete boot, showing no leakage in excess of 5 milliamps at 5 kV according to EN 50321-1 2018. Specification is designed to reduce the risk of interference with the heartbeat by electrical current passing through the wearer. In addition the Dielectric boot meets the requirements of ASTM F1117 withstanding 20 kV for over 3 minutes. For Voltages above 1 kV a class 1, 2, 3 or 4 boot will be required.

Footwear is manufactured using materials which conform to the relevant sections of EN ISO 20345:2011 for quality and performance. . This footwear is fitted with moulded Oil resistance sole with slip resistance in wet conditions that conforms to EN ISO 20345:2011.

Marking denotes that the footwear is licensed according to PPE regulation as follows:

- **Manufacturer** - See sole
- **CE 2797**- See upper; Notified Body responsible for Module D BSI Group The Netherlands B.V. Say Building, John M. Keynesplein 9, 1066 EP, Amsterdam, Netherlands
- **UKCA 0086** - See upper; UK approved body for module D: BSI (0086), Davey Avenue, Knowlhill, Milton Keynes, MK5 8PP, United Kingdom
- **England RH1 4DP** - See upper; address of UK office
- **D-02625 Bautzen** - See upper; address of EU office
- **EN ISO 20345:2011** - See upper; number of European standard for safety footwear
- **EN 50321-1:2018** - See upper; number of insulating footwear standard
- **SB** - See upper; SB denotes the boot meets the basic requirements of EN ISO 20345:2011 for all-polymeric (i.e. entirely moulded) footwear
- **E** - See upper; classification 'E' denotes energy absorbing heel
- **CI** - See upper; denotes cold insulation
- **SRA** - See upper; denotes meets both slip requirements for soapy water on a ceramic tile
- **Double red triangle** - See upper; denotes suitable for Live working
- **Class 0 AC** - See upper; suitable for working up to 17 kV AC
- **Rectangular box marked Inspection Data** - See upper; Please write the date of first use in this box.
- **Size** - See Sole; UK / European Marking / US.
- **Date of Manufacture** - See upper; Week number and Year

It is important that the footwear selected is suitable for the protection required and the working environment. The suitability of the boots for a particular task can only be established once a full risk-assessment has been carried out.

## **PRODUCT CARE**

Please ensure that all strong chemicals or other types of contamination are washed off as soon as possible. Serious damage may result if certain chemicals, fats & oils are not removed or if the footwear is not cleaned regularly after use. If the footwear becomes cut or damaged, it will not continue to give the specified level of protection. To ensure that the wearer continues to receive maximum protection, any damaged footwear should be immediately replaced. The boot lining should also be wiped with a mild detergent from time to time. Do not expose the boots to temperatures in excess of 50° C when drying. The packaging of the footwear used for transportation to customers is designed to protect the boots until they are used. Storage in extremes of temperatures may affect its useful service life and should be avoided.

## **LIMITATIONS OF USE**

The Workmaster Dielectric boot is only suitable for use within a temperature range of -20°C to +70°C. Alternative footwear should be used for applications outside this range. The Workmaster Dielectric boot has a shelf-life of 10 years. Any boots that have remained unused for a period of 10 years should be replaced. The date of manufacture is clearly marked on the upper of the boot as detailed overleaf.

## **MAINTENANCE**

On first use the date should be written in the rectangular box on the side of the boot. Boots should be visually inspected before being worn, check for cuts and abrasions to the boot. If damage has occurred the boots should be replaced immediately with new tested/certified Dielectric boots. If the yellow moulding of the boot can be observed coming through the blue rubber sole this indicates the rubber sole is worn out and the Dielectric boots should be replaced immediately. After 1 year's wear the boots should be electrically re-testing. Respirex International Ltd is a ISO9001/2015 registered Company can provide retesting if required.. Please contact your local distributor for details.

Dielectric boots should be replaced by tested and certified electrically insulating footwear. The compounds and processes used in the manufacture of the boots are specialized. Under no circumstances should uncertified footwear be used for live working or situations where the wearer has the risk of being exposed to live electric currents or electric fields.

## **DECLARATION OF CONFORMITY**

The EU and UKCA Declaration of Conformity for the Workmaster™ Dielectric N boots can be downloaded from [www.workmasterboots.com/DOC](http://www.workmasterboots.com/DOC)



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*by* RESPIREX

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Specialist Protective Footwear

[www.workmasterboots.com](http://www.workmasterboots.com)



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