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|-------------------------|--------------------|
| Prod. Ref | 82500-000 |
| Occupational Cat | SB E P WRU HRO SRC |
| Size range | 39 - 48 |
| Weight (size 42) | 600 g |
| Shape | B |
| Width | 11 |

Description: Black water repellent leather boot, textile lining, anti-shock, slipping resistant, non metallic **APT Plate** midsole.

Key points: insole and sole are highly electric resistant. The whole boot has been designed in order not to have any metal parts; bellows tongue; padded collar; **METATARSAL SUPPORT GEL** footbed, made of soft PU, removable, **Outsole** resistant to +300°C (1 minute contact).

Suggested use: Given the high electrical resistance, it is possible to use this boot as a secondary protective equipment in addition to the primary ones (obligatory) for installation of electric plants and all activities where it is important to reduce the risk of lesions for accidental contacts with hot electric wires.

Instructions: This boot is not a primary protective equipment. It does not prevent the risk of electrical shock when working with dangerous tensions and does not insulate from high voltage. Apart from these footwear the worker must use other electrical shock protective equipment (i.e. gloves and insulating rubber carpets or alternative systems in the work place). The resistance against electric shocks fails in wet environments and when the outer surface of the sole is contaminated by chemical agents (i.e. road salt) or entrapped conductive materials (i.e. nails or metal swarf). Therefore it is necessary to check the footwear carefully. They must be replaced if damaged or too worn. The use of this shoe is absolutely not advisable in explosive stores or any place with risk of fire.

Care and maintenance: Clean after use and let the shoe dry in airy places, away from heat sources; treat the leather with a suitable shoe-polish; it is better to avoid a continuous contact with aggressive acids or with extreme temperature. Avoid a complete immersion in sea and lime water, and in cement dry or mixed with water.



MATERIALS / ACCESSORIES

SAFETY TECHNICAL SPECIFICATIONS

| | | Clause EN ISO 20345 | Description | Unit | Cofra result | Standards Requirement |
|-----------------------|--|---------------------------|--|-----------------|------------------------------|--------------------------------------|
| Complete shoe | Value of electric resistance higher than that of antistatic footwear | | Resistance against electric shocks of the whole footwear | MΩ | > 2000 | > 1000 |
| | Toe cap: non metallic TOP RETURN toe cap, impact resistant until 200 J and compression resistant until 1500 kg | 5.3.2.3 | Shock resistance (clearance after shock) | mm | 16 | ≥ 14 |
| | | 5.3.2.4 | Compression resistance (clearance after compression) | mm | 15,3 | ≥ 14 |
| | Anti perforation midsole: in multi-layers highly tensile fabric, penetration resistant | 6.2.1 | Penetration resistance | N | 1400 | ≥ 1100 |
| Upper | Black water repellent leather, thickness 2,0 mm | 6.3.1 | Resistance against water penetration | minutes | > 60 | > 60 |
| | | 5.4.6 | Steam permeability | mg/cmq h | > 2,3 | ≥ 0,8 |
| | | | Permeability coefficient | mg/cmq | > 26,7 | > 20 |
| Vamp lining | Tissue, breathable, abrasion resistant, colour black thickness 1,2 mm | 5.5.3 | Steam permeability | mg/cmq h | > 5 | ≥ 2 |
| | | | Permeability coefficient | mg/cmq | > 43,4 | ≥ 30 |
| Quarter lining | Tissue, breathable, absorbent, abrasion resistant, colour red | 5.5.3 | Steam permeability | mg/cmq h | > 5 | ≥ 2 |
| | | | Permeability coefficient | mg/cmq | > 41 | ≥ 30 |
| | | 6.2.4 | Shock absorption | J | > 29,5 | ≥ 20 |
| Sole | Polyurethane – Nitrile rubber made of a new electrically insulating compound, directly injected in the upper: slipping resistant, abrasion resistant | 5.8.3 | Abrasion resistance (lost volume) | mm ³ | 85 | ≤ 150 |
| | | 5.8.4 | Flexing resistance (cut increase) | mm | 1 | ≤ 4 |
| | | 5.8.6 | Interlayer bond strength | N/mm | > 5 | ≥ 4 |
| | | 6.4.4 | Hot resistance (300 °C) | ---- | any melting | any melting |
| | Electric insulation of the footwear bottom in dry condition | CAN/CSA Z195-02 | Test voltage 18.000 Volts Test time 1 minute | mA | 0,250 | ≤ 1 |
| | Adherence coefficient of the sole | 5.3.5 | SRA : ceramic + detergent solution – flat SRA : ceramic + detergent solution – heel (contact angle 7°) SRB : steel + glycerol – flat SRB : steel + glycerol – heel (contact angle 7°) | | 0,56 0,50 0,25 0,17 | ≥ 0,32 ≥ 0,28 ≥ 0,18 ≥ 0,13 |

