

PRODUCT SHEET

Description: Black water repellent grain leather ankle boot, textile lining, anti-shock, slipping resistant, non

metallic APT Plate midsole Zero Perforation, with high electrical resistance

NEW ELECTRICAL SRC

Prod. Ref 82500-000

Occupational Cat SB E P WRU HRO FO SRC

Size range 39 - 48 (6 - 13)

Weight (size 42) 775 g Shape B Width 11

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Key points: Insole and sole are highly electric resistant. The whole boot has been designed in order not to have any metal parts; **METATARSAL SUPPORT GEL** footbed made of soft and scented polyurethane, electrically insulating, anatomic, covered with cloth. The soft gel insert in the metatarsal area guarantees stability and comfort even on uneven surfaces. Cold and heat insulation. Arch support made of polycarbonate and fibreglass conveniently placed between heel and sole, which provides support and protection of the plantar arch, thus preventing harmful bendings. Outsole resistant to +300°C (1 minute contact). Padded collar

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. **Footwear for electricians**

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 20345:2011	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	$M\Omega$	> 2000	≥ 1000
	Toe cap: non metallic TOP RETURN toe cap, impact resistant until 200 J	5.3.2.3	Shock resistance (clearance after shock)	mm	15	≥ 14
	and compression resistant until 1500 kg	5.3.2.4	Compression resistance (clearance after compression)	mm	14,5	≥ 14
	Anti perforation midsole: in multi-layers highly tensile fabric, penetration resistant, Zero		Penetration resistance	N	To 1100 N	≥ 1100
	Perforation, with high electric resistance				No perforation	
	Energy absorption system	6.2.4	Shock absorption	J	41	≥ 20
Upper	Black water repellent grain leather thickness 1,8/2,0mm	5.4.6	Steam permeability	mg/cmq h	> 2	≥ 0,8
			Permeability coefficient	mg/cmq	> 23,5	> 15
		6.3.1	Water absorption		14%	≤ 30%
			Water penetration		0,0 g	$\leq 0.2 g$
Vamp lining	Textile, breathable, abrasion resistant, colour black	5.5.3	Steam permeability	mg/cmq h	> 6	≥ 2
	Thickness 1,2 mm		Permeability coefficient	mg/cmq	> 48	≥ 20
Quarter lining	Textile, breathable, abrasion resistant, colour red	5.5.3	Steam permeability	mg/cmq h	> 2	≥ 2
	Thickness 1,2 mm		Permeability coefficient	mg/cmq	> 20	≥ 20
Sole	Polyurethane - nitrile rubber, with high electrical resistance, directly injected in the upper:		Abrasion resistance (lost volume)	mm ³	85	≤ 150
		5.8.4	Flexing resistance (cut increase)	mm	1	≤ 4

Outsole:	black nitrile rubber, slipping resistant, abrasion resistant, hydrocarbons	5.8.6	Interlayer bond strength		N/mm	> 5	≥ 4
	resistant, and hot resistant.	6.4.4	Hot resistance (300 °C)			any melting	any melting
Midsole:	black polyurethane low density, comfortable and anti-shock.	6.4.2	Hydrocarbons resistance (ΔV = volume increase)		%	+ 1	≤ 12
Electric insulation of the footwear bottom in dry condition		CAN/CSA Z195-14	Test voltage Test time	18.000 Volts 1 minute	mA	0,25	≤ 1
Adherence coefficient of the sole		5.3.5	SRA : ceramic + detergent solution - flat			0,56	≥ 0,32
			SRA : ceramic + detergent solution – heel (contact angle 7°)			0,50	≥ 0,28
			SRB : steel + glycerol – flat			0,25	≥ 0,18
			SRB : steel + gly		0,17	≥ 0,13	

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