

Prod. Ref	26400-N03
Occupational Cat	SB PS E CI WPA FO SR
Size range	40 - 47 (6,5 - 12)
Weight (size 42)	690 g
Shape	B
Width	11

Description: Black water repellent printed leather ankle boot, **TEXELLE** lining, anti-shock, slipping resistant, with non metallic **APT PLUS** midsole - type **PS** with Ø 3,0 mm nail, with high electrical resistance.

Plus: Insole and sole are highly electric resistant. The whole boot has been designed in order not to have any metal parts (**100 % Metal Free**). Insole and sole are highly electric resistant; **EVANIT** footbed, made of EVA and nitrile special compound, with high bearing capacity and variable thickness. Thermoformed, punched and coated with highly breathable fabric. **ANTI TORSION 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 and/or unwilling torsion. Perfumed sole

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 each use and dry off away from direct heat. Avoid contact with aggressive chemicals or extreme temperature. Avoid immersion in sea water, lime water or cement mixed with water



MATERIALS / ACCESSORIES

SAFETY TECHNICAL SPECIFICATIONS

		Clause EN ISO 20345:2022	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	5.3.2.6	Shock resistance (clearance after shock)	mm	15	≥ 14
		5.3.2.7	Compression resistance (clearance after compression)	mm	15	≥ 14
	Anti perforation midsole: in multi-layers highly tensile fabric, penetration resistant, Zero Perforation , with high electric resistance	6.2.1.1.4	Penetration resistance (PS requirement with Ø 3,0 mm nail)	N	1286	≥ 1100
	Cold insulation	6.2.3.2	Cold insulation (temp. decrease after 30' C at -17 °C)	°C	6	≤ 10
Energy absorption system	6.2.4	Shock absorption	J	41	≥ 20	
Upper	Black water repellent printed leather thickness 1,8/2,0 mm	5.4.6	Water vapour permeability	mg/cmq h	> 2	≥ 0,8
			Permeability coefficient	mg/cmq	> 23,5	≥ 15
		6.3	Water absorption Water penetration		9,5% 0,0 g	≤ 30% ≤ 0,2 g
Vamp lining	Textile, breathable, abrasion resistant, colour black Thickness 1,2 mm	5.5.4	Water vapour permeability	mg/cmq h	> 84,7	≥ 2
			Permeability coefficient	mg/cmq	> 677,4	≥ 20
Quarter lining	TEXELLE , breathable, abrasion resistant, colour black thickness 1,2 mm	5.5.4	Steam permeability	mg/cmq h	> 2,4	≥ 2
			Permeability coefficient	mg/cmq	> 19,9	≥ 20
Sole	Polyurethane/TPU, with high electrical resistance, directly injected in the upper:	5.8.4	Abrasion resistance (lost volume)	mm ³	119	≤ 150
		5.8.5	Flexing resistance (cut increase)	mm	2	≤ 4
		5.8.7	Interlayer bond strength	N/mm	0,9	≥ 3

Midssole: Black polyurethane, low density, comfortable and anti-shock

Electric insulation of the footwear bottom in dry condition

Adherence coefficient of the sole (Slip resistance)

6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	5,7	≤ 12	
CAN/CSA Z195-14	Test voltage	18.000 Volts	mA	0,25	≤ 1
	Test time	1 minute			
5.3.5.2	ceramic + detergent solution – forepart (contact angle 7°)		0,43	$\geq 0,36$	
	ceramic + detergent solution – heel (contact angle 7°)		0,36	$\geq 0,31$	
6.2.10	SR : ceramic + glycerol – forepart (contact angle 7°)		0,25	$\geq 0,22$	
	SR : ceramic + glycerol – heel (contact angle 7°)		0,21	$\geq 0,19$	