

PRODUCT SHEET

FRANKLIN BLACK SBEPFOSRC

Description: Black high tenacity, extremely breathable AIRFREEDOM FABRIC nylon and MICROTECH shoe. textile lining, anti-shock, slipping resistant, non metallic APT Plate midsole Zero Perforation

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Prod. Ref.	20610-001	Plus: Insole and sole are highly electric resistant. The whole boot has been designed in order not to have any
Safety cat.	SB E P FO SRC	metal parts; Upper made of nylon and mesh, highly breathable and resistant to abrasion (esclusive to Cofra.
Range of sizes	36 - 48 (3 - 13)	EVANIT footbed, made of EVA and nitrile special compound, with high bearing capacity and variable thickness.
Weight (sz. 8)	560 g	Thermoformed, punched and coated with highly breathable fabric. ANTI TORSION SUPPORT made of
Shape	А	polycarbonate and fibreglass conveniently placed between heel and sole, which provides support and protection of
Width	11	the plantar arch, thus preventing harmful bendings and/or unwilled torsion. Perfumed sole. Perfumed sole. Leather

the plantar arch, thus preventing harmful bendings and/or unwilled torsion. Perfumed sole, Perfumed sole, Leather toe cap protection Suggested use: Given the high electrical resistance, it is possible to use this shoe 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 shoe 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; treat the leather with a suitable shoe-polish. Avoid contact with aggressive chemicals or extreme temperature. Avoid immersion in sea water, lime water or cement mixed with water.

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MATERIALS / ACCESSORIES

SAFETY TECHNICAL SPECIFICATIONS

		Clause EN ISO 20345:2011	Description	Unit	Cofra result	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	5.3.2.3	Shock resistance (clearance after shock)	mm	15,5	≥ 14
	and compression resistant until 1500 kg	5.3.2.4	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		Penetration resistance	Ν	To 1100 N	≥ 1100
	with high electric resistance				No Perforation	
	Energy absorption system	6.2.4	Shock absorption	J	36	≥ 20
Upper	Nylon and mesh, highly breathable and resistant to abrasion, colour black	5.4.6	Water vapour permeability	mg/cmq h	> 6,8	≥ 0,8
			Permeability coefficient	mg/cmq	> 55,1	> 20
		5.4.3	Tear resistance	Ν	125,2	≥ 60
			Abrasion resistance	Cycle	> 300.000	
Upper	Black breathable MICROTECH	5.4.6	Water vapour permeability	mg/cmq h	> 2	≥ 0,8
	thickness 1,6 mm		Permeability coefficient	mg/cmq	> 17,5	> 15
Vamp	Textile, breathable, abrasion resistant, colour black	5.5.3	Water vapour permeability	mg/cmq h	> 6,2	≥ 2
lining	Thickness 1,2 mm		Permeability coefficient	mg/cmq	> 51,1	≥ 20
Quarter	Textile, antibacterial, breathable, abrasion resistant, colour black	5.5.3	Water vapour permeability	mg/cmq h	> 9,8	≥ 2
lining	thickness 1,2 mm		Permeability coefficient	mg/cmq	> 79,7	≥ 20
Sole	Polyurethane/TPU, with low electrical resistance, directly injected in the upper:	5.8.3	Abrasion resistance (lost volume)	mm ³	112	≤ 150

Outsole:	Ice TPU, slipping resistant, abrasion resistant and hydrocarbons resistant.					
Midsole:	Black polyurethane, low density, comfortable and anti-shock.					
Electric insulation of the footwear bottom in dry condition						
Adherence coefficient of the sole						

5.8.4	Flexing resistance (cut increase)		mm	1	≤ 4
5.8.6	Interlayer bond strength		N/mm	4,2	≥ 4
6.4.2	Hydrocarbons resistance (ΔV = volume increase)		%	0,9	≤ 12
CAN/CSA Z195-14	Test voltage Test time	18.000 Volts 1 minute	mA	0,25	≤ 1
5.3.5	SRA : ceramic + detergent solution – flat SRA : ceramic + detergent solution – heel (contact angle 7°) SRB : steel + glycerol – flat			0,62	≥ 0,32
				0,58	≥ 0,28
				0,26	≥ 0,18
	SRB : steel + glycerol – heel (contact angle 7°)				≥ 0,13