

Prod. Ref.	NA019-000
Safety cat.	S3 SRC
Range of sizes	39 - 47
Weight (sz. 42)	640 g
Shape	B
Wide	11

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

Plus: Footwear completely free from metal parts. Footbed **AIR** made of EVA and fabric, antistatic, it guarantees high stability thanks to its different thicknesses in the plantar area. Padded collar. Leather protection against sparks with velcro fastening.

Suggested uses: Footwear for welders, maintenance jobs, industries.

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.



MATERIALS / ACCESSORIES

Complete shoe	Toe cap: non metallic TOP RETURN toe cap, impact resistant until 200 J and compression resistant until 1500 kg
	Anti perforation midsole: in multi-layers highly tensile fabric, penetration resistant
	Antistatic shoe: the bottom is fit for the dissipation of electrostatic charges
	Energy absorption system: polyurethane low density and heel profile
Upper	Black water repellent printed leather thickness 1,8 mm
Vamp	Felt, breathable, colour dark grey
lining	Thickness 1,2 mm
Quarter	Textile, breathable, abrasion resistant, colour blue
lining	thickness 1,2 mm
Sole	Antistatic double-density Polyurethane directly injected in the upper: Outsole: black, high density, slipping resistant, abrasion resistant and hydrocarbons resistant, Midsole: black, low density, comfortable and anti-shock Adherence coefficient of the sole

SAFETY TECHNICAL SPECIFICATIONS

		Clause EN ISO 20345	Description	Unit	Cofra result	Requirement
		5.3.2.3	Shock resistance (clearance after shock)	mm	14,2	≥ 14
		5.3.2.4	Compression resistance (clearance after compression)	mm	14	≥ 14
		6.2.1	Penetration resistance	N	1300	≥ 1100
		6.2.2.2	Electric resistance			
			- wet	MΩ	986	≥ 0,1
			- dry	MΩ	1000	≤ 1000
		6.2.4	Shock absorption	J	> 34,5	≥ 20
		5.4.6	Water vapour permeability	mg/cmq h	> 1,4	≥ 0,8
			Permeability coefficient	mg/cmq	> 19,1	> 15
		6.3.1	Water resistance	minutes	> 60	> 60
		5.5.3	Water vapour permeability	mg/cmq h	> 4,7	≥ 2
			Permeability coefficient	mg/cmq	> 40,6	≥ 20
		5.5.3	Water vapour permeability	mg/cmq h	> 6,1	≥ 2
			Permeability coefficient	mg/cmq	> 49	≥ 20
		5.8.3	Abrasion resistance (lost volume)	mm ³	47	≤ 150
		5.8.4	Flexing resistance (cut increase)	mm	1,5	≤ 4
		5.8.6	Interlayer bond strength	N/mm	> 5	≤ 4
		5.8.7	Hydrocarbons resistance (ΔV = volume increase)	%	+ 0,3	≤ 12
		5.3.5	SRA : ceramic + detergent solution – flat		0,42	≥ 0,32
			SRA : ceramic + detergent solution – heel (contact angle 7°)		0,45	≥ 0,28
			SRB : steel + glycerol – flat		0,19	≥ 0,18
			SRB : steel + glycerol – heel (contact angle 7°)		0,18	≥ 0,13