



Prod. Ref. NA015-000
Safety cat. S3 SRC
Range of sizes 36 - 48
Weight (sz. 42) 610 g
Shape B
Wide 11

Description: Black water repellent printed leather boot, **Sany-Dry**[®] 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, bellows tongue.

Suggested uses: Engineering jobs, 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	Sany-Dry [®] , breathable, abrasion resistant, colour black
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
		6.4.5	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