



Prod. Ref.	28170-000
Safety cat.	S3 HRO SRC
Range of sizes	39 - 48
Weight (sz. 42)	710 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: Footbed **AIR** made of EVA and fabric, antistatic, it guarantees high stability thanks to its different thicknesses in the plantar area. Outsole resistant to +300°C (1 minute contact). Laces protection from sparks.

Suggested uses: Engineering jobs, maintenance jobs. Suggested for solders.

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
Upper	Energy absorption system: polyurethane low density and heel profile
	Black water repellent printed leather thickness 2,0 mm
Vamp	Felt, breathable, colour dark grey
lining	Thickness 1,2 mm
Quarter	Sany-Dry [®] , breathable, abrasion resistant, colour blue
lining	thickness 1,2 mm
Sole	Antistatic polyurethane – Nitrile rubber, directly injected in the upper:
	Outsole: black Nitrile rubber, slipping resistant, abrasion resistant, hydrocarbons resistant, and hot resistant.
	Midsole: black polyurethane low density, comfortable and anti-shock.
	Adherence coefficient of the sole

SAFETY TECHNICAL SPECIFICATIONS

	Clause EN ISO 20345	Description	Unit	Cofra result	Requirement	
Complete shoe	5.3.2.3	Shock resistance (clearance after shock)	mm	14,7	≥ 14	
	5.3.2.4	Compression resistance (clearance after compression)	mm	14,2	≥ 14	
	6.2.1.5.2	Penetration resistance	N	1300	≥ 1100	
	6.2.2.2	Electric resistance	- wet	MΩ	844	≥ 0.1
			- dry	MΩ	540	≤ 1000
	6.2.4	Shock absorption	J	> 46	≥ 20	
	5.4.6	Water vapour permeability	Permeability coefficient	mg/cmq h	> 2	≥ 0,8
			Permeability coefficient	mg/cmq	> 24,5	> 20
	6.3.1	Water resistance	minutes	> 60	> 60	
	5.5.3	Water vapour permeability	Permeability coefficient	mg/cmq h	> 4,7	≥ 2
Permeability coefficient			mg/cmq	> 40,6	≥ 30	
5.5.3	Water vapour permeability	Permeability coefficient	mg/cmq h	> 6,7	≥ 2	
		Permeability coefficient	mg/cmq	> 54,2	≥ 30	
5.8.3	Abrasion resistance (lost volume)		mm ³	127	≤ 150	
			mm	2	≤ 4	
5.8.6	Flexing resistance (cut increase)		mm	2	≤ 4	
5.8.6	Interlayer bond strength		N/m	> 5	≥ 4	
6.4.4	Hot resistance (300 °C)		----	any melting	any melting	
6.4.5	Hydrocarbons resistance (ΔV = volume increase)		%	+ 4,3	≤ + 12	
5.3.5	SRA : ceramic + detergent solution – flat			0,51	≥ 0,32	
				0,48	≥ 0,28	
		SRB : steel + glycerol – flat		0,23	≥ 0,18	
		SRB : steel + glycerol – heel (contact angle 7°)		0,19	≥ 0,13	