



Prod. Ref.	80470-000
Safety cat.	S3 HI CI HRO SRC
Range of sizes	39 - 48 (6 - 13)
Weight (sz. 42)	752 g
Shape	B
Width	11

Description: Black water repellent printed leather ankle boot, **SANY-DRY®** lining, antistatic, anti-shock, slipping resistant, non metallic **APT Plate** midsole **Zero Perforation**

Plus: **HEAT BARRIER** footbed made of soft and scented polyurethane, antistatic, anatomic, insulating against high temperatures, covered with cloth. The thermal comfort inside the footwear is granted thanks to the special polyurethane compound devised to give high insulation. Arch 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. Outsole resistant to +300°C (1 minute contact). Provided with **SCATTO** quick release system

Suggested uses: footwear for iron industry

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 20344:2011	Description	Unit	Cofra result	Requirement
Complete shoe	Toe cap: non metallic TOP RETURN toe cap, impact resistant until 200 J and compression resistant until 1500 kg	5.3.2.3	Shock resistance (clearance after shock)	mm	15	≥ 14
		5.3.2.4	Compression resistance (clearance after compression)	mm	14,5	≥ 14
	Anti perforation midsole: in multi-layers highly tensile fabric, penetration resistant, Zero Perforation	6.2.1	Penetration resistance	N	To 1100 N no perforation	≥ 1100
	Antistatic shoe: the bottom is fit for the dissipation of electrostatic charges	6.2.2.2	Electric resistance			
			- wet	MΩ	45	≥ 0.1
			- dry	MΩ	880	≤ 1000
	Heat insulation	6.2.3.1	Heat insulation (temp. increase after 30' at 150 °C)	°C	19,5	≤ 22
	Cold insulation	6.2.3.2	Cold insulation (temp. decrease after 30' C at -17 °C)	°C	7,5	≤ 10
	Energy absorption system	6.2.4	Shock absorption	J	32	≥ 20
	Upper Black water repellent printed leather thickness 1,6/1,8 mm	5.4.6	Water vapour permeability	mg/cmq h	> 1,2	≥ 0,8
			Permeability coefficient	mg/cmq	> 16,3	> 15
		6.3.1	Water absorption		10%	≤ 30%
			Water penetration		0,0 g	≤ 0,2 g
Vamp	Felt, breathable, colour dark grey Thickness 1,2 mm	5.5.3	Water vapour permeability	mg/cmq h	> 4,7	≥ 2
			Permeability coefficient	mg/cmq	> 40,6	≥ 20
Quarter	SANY-DRY® , breathable, abrasion resistant, colour orange thickness 1,2 mm	5.5.3	Water vapour permeability	mg/cmq h	> 6,7	≥ 2
			Permeability coefficient	mg/cmq	> 54,1	≥ 20
Sole	PU/Nitrile rubber, antistatic, resistant to high temperatures, directly injected in the upper:	5.8.3	Abrasion resistance (lost volume)	mm ³	105	≤ 150
		5.8.4	Flexing resistance (cut increase)	mm	1,5	≤ 4
		5.8.6	Interlayer bond strength	N/m	> 5	≥ 4
	Outsole: black nitrile rubber, slipping resistant, abrasion resistant, hydrocarbons resistant and heat resistant.	6.4.4	Hot resistance (300 °C)	----	any melting	any melting
		6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	1,6	≤ 12
	Midsole: black polyurethane, made of a special compound which resists to 150°C for 30 minutes without its chemical-physical features being altered					

Adherence coefficient of the sole

5.3.5	SRA : ceramic + detergent solution – flat	0,54	≥ 0,32
	SRA : ceramic + detergent solution – heel (contact angle 7°)	0,50	≥ 0,28
	SRB : steel + glycerol – flat	0,23	≥ 0,18
	SRB : steel + glycerol – heel (contact angle 7°)	0,18	≥ 0,13