



Prod. Ref.	55170-000
Safety cat.	S3 CI SRC
Range of sizes	39 - 48 (6 - 13)
Weight (sz. 8)	720 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: Footbed **SOFT SQUARE**, made of soft and scented polyurethane, antistatic, anatomic, holed, soft and comfortable. The wide gel insert in the heel area absorbs the shock impact. The upper layer is made of antibacterial textile to prevent from bad odours, to absorb moisture and keep the foot dry. The higher sole, made of a special **FORMULA SOFT** compound, extremely light, **provides greater support and softness**. The wide support area dissipates the impact shock. **Thermo-insulating, anti-torsion, anti-vibration**. Thanks to an advanced mixture, studied and tested in our laboratories, the PU compound **FORMULA SOFT** of our midsole is **less hard and more elastic** than any sole in the market. The **softness** of the sole can be experienced in case of strong impacts with the ground, during which the sole gets progressively harder, thus avoiding impact shock on the spinal column. The sole design allows foot's movements, providing maximum support and shock absorption

Suggested uses: Recommended for work environments in the presence of vibrations, construction, maintenance

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

SAFETY TECHNICAL SPECIFICATIONS

		Clause EN ISO 20345:2011	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	14	≥ 14
		5.3.2.4	Compression resistance (clearance after compression)	mm	17,5	≥ 14
	Anti perforation midsole: in multi-layers highly tensile fabric, penetration resistant, Zero Perforation	6.2.1	Penetration resistance	N	To 1100 N	≥ 1100
					No perforation	
	Antistatic shoe: the bottom is fit for the dissipation of electrostatic charges	6.2.2.2	Electric resistance			
			- wet	MΩ	280	≥ 0.1
			- dry	MΩ	645	≤ 1000
	Cold insulation	6.2.3.2	Cold insulation (temp. decrease after 30' C at -17 °C)	°C	8	≤ 10
	Energy absorption system: polyurethane low density and heel profile	6.2.4	Shock absorption	J	38,5	≥ 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	> 17,1	> 15
		6.3.1	Water absorption		20%	≤ 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, antibacterial, abrasion resistant, colour black thickness 1,2 mm	5.5.3	Water vapour permeability	mg/cmq h	> 9,8	≥ 2
			Permeability coefficient	mg/cmq	> 78,5	≥ 20
Sole	FORMULA SOFT , antistatic dual-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	5.8.3	Abrasion resistance (lost volume)	mm ³	57	≤ 150
		5.8.4	Flexing resistance (cut increase)	mm	3	≤ 4
		5.8.6	Interlayer bond strength	N/mm	> 5	≥ 4
		6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	+ 0,3	≤ 12
		5.3.5	SRA : ceramic + detergent solution – flat		0,43	≥ 0,32

SRA : ceramic + detergent solution – heel (contact angle 7°)	0,35	≥ 0,28
SRB : steel + glycerol – flat	0,21	≥ 0,18
SRB : steel + glycerol – heel (contact angle 7°)	0,13	≥ 0,13