



Prod. Ref. 20640-000
Safety cat. S3 WR CI SRC
Range of sizes 40 - 47 (6,5 - 12)
Weight (sz. 8) 660 g
Shape B
Width 11

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

Plus: Cold protection thanks to **THINSULATE™ B200**. **EVANIT** footbed, made of EVA and nitrile special compound, with high bearing capacity and variable thickness. Thermoformed, punched and coated with highly breathable fabric. Antistatic thanks to a specific treatment on the surface and to seams made of conductive yarns. **ANTI TORSION 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 and/or unwilling torsion. Perfumed sole. **TPU toe cap protection**. **Sealed stitchings**

Suggested uses: Construction, maintenance, 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

SAFETY TECHNICAL SPECIFICATIONS

		Clause EN ISO 20345:2011	Description	Unit	Cofra result	Requirement
Whole footwear	Water resistance	5.15.1	Water resistance (area of water penetration after 1000 paces in a surface flooded with water)	cm ²	≤ 3	≤ 3
	Complete shoe					
	Toe cap: non metallic TOP RETURN toe cap, impact resistant until 200 J	5.3.2.3	Shock resistance (clearance after shock)	mm	16	≥ 14
	and compression resistant until 1500 kg	5.3.2.4	Compression resistance (clearance after compression)	mm	15,5	≥ 14
	Anti perforation midsole: in multi-layers highly tensile fabric, penetration resistant, Zero Perforation	6.2.1	Penetration resistance	N	To 1100 N	≥ 1100
	Antistatic shoe: the bottom is fit for the dissipation of electrostatic charges	6.2.2.2	Electric resistance		No Perforation	
			- wet	MΩ	32,6	≥ 0.1
			- dry	MΩ	658	≤ 1000
	Cold insulation	6.2.3.2	Cold insulation (temp. decrease after 30' C at -17 °C)	°C	6,5	≤ 10
	Energy absorption system	6.2.4	Shock absorption	J	37	≥ 20
Upper	Black water repellent full grain leather thickness 1,6/1,8 mm	5.4.6	Water vapour permeability	mg/cmq h	> 1	≥ 0,8
			Permeability coefficient	mg/cmq	> 15,3	> 15
		6.3.1	Water absorption		14%	≤ 30%
			Water penetration		0,0 g	≤ 0,2 g
Vamp	Textile, breathable, abrasion resistant, colour black	5.5.3	Water vapour permeability	mg/cmq h	> 8,9	≥ 2
			Permeability coefficient	mg/cmq	> 72	≥ 20
Quarter	SANY-DRY® , breathable, antibacterial, abrasion resistant, colour black	5.5.3	Water vapour permeability	mg/cmq h	> 11,5	≥ 2
			Permeability coefficient	mg/cmq	> 92,8	≥ 20
lining	thickness 1,2 mm	5.8.3	Abrasion resistance (lost volume)	mm ³	112	≤ 150
		5.8.4	Flexing resistance (cut increase)	mm	1	≤ 4
Sole	Antistatic Polyurethane/TPU directly injected in the upper:	5.8.6	Interlayer bond strength	N/mm	4,2	≥ 4
		6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	0,9	≤ 12
	Outsole: Ice TPU, slipping resistant, abrasion resistant and hydrocarbons resistant.					
	Midsole: Black polyurethane, low density, comfortable and anti-shock.					

Adherence coefficient of the sole

5.3.5

SRA : ceramic + detergent solution – flat	0,62	≥ 0,32
SRA : ceramic + detergent solution – heel (contact angle 7°)	0,58	≥ 0,28
SRB : steel + glycerol – flat	0,26	≥ 0,18
SRB : steel + glycerol – heel (contact angle 7°)	0,19	≥ 0,13