



Prod. Ref.	TN210-000
Safety cat.	S3 SRC
Range of sizes	36 - 48 (3 - 13)
Weight (sz. 8)	580 g
Shape	B
Widht (5 - 6)	10,5
Widht (6,5 - 13)	11

Description: Black water repellent leather ankle boot, **TRAI-Tex** 100% polyester fabric lining, anti-shock, antistatic, slipping resistant, non metallic **APT Plate** midsole **Zero Perforation**

Plus: METAL FREE. 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

Suggested uses: Construction, maintenance, industries

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	Description	Unit	Cofra result	requirement
		EN ISO				
		20345:2011				
Complete shoe	Toe cap: non metallic FIBERGLASS toe cap, impact resistant until 200 J and compression resistant until 1500 kg	5.3.2.3	Shock resistance (clearance after shock)	mm	16	≥ 14
		5.3.2.4	Compression resistance (clearance after compression)	mm	19,5	≥ 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			
			- wet	MΩ	71	≥ 0.1
			- dry	MΩ	295	≤ 1000
	Energy absorption system	6.2.4	Shock absorption	J	35	≥ 20
Upper	Black water repellent grain leather Thickness 1,6/1,8 mm	5.4.6	Water vapour permeability	mg/cm ² h	> 2,8	≥ 0,8
			Permeability coefficient	mg/cm ²	> 31,2	> 15
Upper	Black water repellent leather Thickness 1,6/1,8 mm	6.3.1	Water absorption		20%	≤ 30%
			Water penetration		0,0 g	≤ 0,2 g
		5.4.6	Water vapour permeability	mg/cm ² h	> 2,4	≥ 0,8
			Permeability coefficient	mg/cm ²	> 23,8	> 15
Vamp/Quarter lining	TRAI-Tex fabric, three-dimensional, breathable, abrasion resistant, colour black and orange thickness 1,2 mm	6.3.1	Water absorption		8%	≤ 30%
			Water penetration		0,0 g	≤ 0,2 g
		5.5.3	Water vapour permeability	mg/cm ² h	> 4,2	≥ 2
			Permeability coefficient	mg/cm ²	> 47,7	≥ 20
Sole	Antistatic dual-density Polyurethane directly injected in the upper: Outsole: black, high density, slipping resistant, abrasion resistant and hydrocarbons resistant, Midsole: dark grey, low density, comfortable and anti-shock Adherence coefficient of the sole	5.8.3	Abrasion resistance (lost volume)	mm ³	98	≤ 150
		5.8.4	Flexing resistance (cut increase)	mm	4	≤ 4
		5.8.5	Interlayer bond strength	N/mm	4,1	≥ 3
		6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	8	≤ 12
		5.3.5	SRA : ceramic + detergent solution – flat		0,33	≥ 0,32
			SRA : ceramic + detergent solution – heel (contact angle 7°)		0,30	≥ 0,28
	SRB : steel + glycerol – flat		0,18	≥ 0,18		

