



Prod. Ref. NT230-000
Safety cat. S3 SRC
Range of sizes 38 - 48 (5 - 13)
Weight (sz. 8) 650 g
Shape A
Width 11

Description: Black water repellent printed leather shoe, **TEXELLE** lining, antistatic, anti-shock, slipping resistant, with stainless steel midsole

Plus: 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. **Polyurethane toe cap protection**

Suggested uses: Engineering jobs, maintenance jobs, buildings, 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
Complete shoe	Toe cap: steel made, varnished with epoxy resin, 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	15	≥ 14
	Anti perforation midsole: stainless steel, penetration resistance, varnished with epoxy resin	6.2.1	Penetration resistance	N	1635	≥ 1100
	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	820	≤ 1000
	Energy absorption system	6.2.4	Shock absorption	J	35	≥ 20
Upper	Black water repellent printed leather thickness 1,6/1,8 mm	5.4.6	Water vapour permeability	mg/cmq h	> 2,4	≥ 0,8
			Permeability coefficient	mg/cmq	> 27,9	> 15
		6.3.1	Water absorption		8%	≤ 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	> 5,3	≥ 2
			Permeability coefficient	mg/cmq	> 43,1	≥ 20
Quarter	TEXELLE , breathable, abrasion resistant, colour brown thickness 1,2 mm	5.5.3	Water vapour permeability	mg/cmq h	> 5,6	≥ 2
			Permeability coefficient	mg/cmq	> 45,6	≥ 20
Insole	Antistatic, absorbent, abrasion and flaking resistant.	5.7.4.1	Abrasion resistance	cycle	> 400	≥ 400
Sole	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	84	≤ 150
		5.8.4	Flexing resistance (cut increase)	mm	2	≤ 4
		5.8.6	Interlayer bond strength	N/mm	> 5	≥ 4
		6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	+ 1,8	≤ 12
		5.3.5	SRA : ceramic + detergent solution – flat		0,60	≥ 0,32
			SRA : ceramic + detergent solution – heel (contact angle 7°)		0,50	≥ 0,28
			SRB : steel + glycerol – flat		0,28	≥ 0,18
	SRB : steel + glycerol – heel (contact angle 7°)		0,19	≥ 0,13		