



<b>Prod. Ref.</b>	NT030-000
<b>Safety cat.</b>	S3 CI SRC
<b>Range of sizes</b>	38 - 48 (5 - 13)
<b>Weight (sz. 8)</b>	722 g
<b>Shape</b>	C
<b>Width</b>	11

**Description:** Black water repellent printed leather ranger boot, ecological fur lining, highly insulating, antistatic, anti-shock, slipping resistant, with stainless steel midsole

**Plus:** Cold insulation. **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. **Abrasion resistant polyurethane toe cap protection**

**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 EN ISO 20345:2011	Description	Unit	Cofra result	Requirement
<b>Complete shoe</b>	<b>Toe cap:</b> 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	<b>16</b>	≥ 14
		5.3.2.4	Compression resistance (clearance after compression)	mm	<b>15</b>	≥ 14
	<b>Anti perforation midsole:</b> stainless steel, penetration resistance, varnished with epoxy resin	6.2.1	Penetration resistance	N	<b>1635</b>	≥ 1100
	<b>Antistatic shoe:</b> the bottom is fit for the dissipation of electrostatic charges	6.2.2.2	Electric resistance			
			- wet	MΩ	<b>280</b>	≥ 0,1
			- dry	MΩ	<b>820</b>	≤ 1000
	<b>Cold insulation</b>	6.2.3.2	Cold insulation (temp. decrease after 30' C at -17 °C)	°C	<b>8,5</b>	≤ 10
	<b>Energy absorption system</b>	6.2.4	Shock absorption	J	<b>35</b>	≥ 20
<b>Upper</b>	Black water repellent printed leather thickness 1,6/1,8 mm	5.4.6	Water vapour permeability	mg/cmq h	<b>&gt; 2,4</b>	≥ 0,8
			Permeability coefficient	mg/cmq	<b>&gt; 27,9</b>	> 15
		6.3.1	Water absorption		<b>8%</b>	≤ 30%
				Water penetration		<b>0,0 g</b>
<b>Lining</b>	<b>Ecological fur</b> , highly insulating, breathable, abrasion resistant, colour beige thickness 1,2 mm	5.5.3	Water vapour permeability	mg/cmq h	<b>&gt; 3,5</b>	≥ 2
			Permeability coefficient	mg/cmq	<b>&gt; 29,3</b>	≥ 20
<b>Insole</b>	Antistatic, absorbent, abrasion and flaking resistant.	5.7.4.1	Abrasion resistance	cycle	<b>&gt; 400</b>	≥ 400
<b>Sole</b>	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 <sup>3</sup>	<b>84</b>	≤ 150
		5.8.4	Flexing resistance (out increase)	mm	<b>2</b>	≤ 4
		5.8.6	Interlayer bond strength	N/mm	<b>&gt; 5</b>	≥ 4
		6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	<b>+ 1,8</b>	≤ 12
		5.3.5	SRA : ceramic + detergent solution – flat		<b>0,60</b>	≥ 0,32
			SRA : ceramic + detergent solution – heel (contact angle 7°)		<b>0,50</b>	≥ 0,28
			SRB : steel + glycerol – flat		<b>0,28</b>	≥ 0,18
	SRB : steel + glycerol – heel (contact angle 7°)		<b>0,19</b>	≥ 0,13		