



**Prod. Ref.** 10350-000  
**Safety cat.** S3 HRO SRC  
**Range of sizes** 40 - 47 (6,5 - 12)  
**Weight** (sz. 8) 760 g  
**Shape** C  
**Wide** 11

**Description:** Black water repellent grain leather and **CORDURA**® ranger, **Cambrelle**® lining, antistatic, anti-shock, slipping resistant, non metallic **APT Plate** midsole **Zero Perforation**.

**Plus:** Footwear completely free from metal parts. Full **SOFT-BED** footbed, made of extremely soft PU, anatomic, removable, antistatic, covered with cloth. Cold and heat insulation. Outsole resistant to +300°C (1 minute contact). Padded collar. Internal side zip.

**Suggested uses:** Footwear for uniforms, occupational and service.

**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
<b>Complete shoe</b>	<b>Toe cap:</b> non metallic <b>TOP RETURN</b> toe cap, impact resistant until 200 J and compression resistant until 1500 kg	5.3.2.3	Shock resistance (clearance after shock)	mm	<b>14</b>	≧ 14
		5.3.2.4	Compression resistance (clearance after compression)	mm	<b>14,5</b>	≧ 14
	<b>Anti perforation midsole:</b> in multi-layers highly tensile fabric, penetration resistant, <b>Zero Perforation</b> .	6.2.1	Penetration resistance	N	<b>To 1100 N no perforation</b>	≧ 1100
	<b>Antistatic shoe:</b> the bottom is fit for the dissipation of electrostatic charges	6.2.2.2	Electric resistance			
			- wet	M, ⚡	<b>938</b>	≧ 0.1
			- dry	M, ⚡	<b>1000</b>	↑ 1000
	<b>Energy absorption system:</b> polyurethane low density and heel profile	6.2.4	Shock absorption	J	<b>&gt; 38</b>	≧ 20
	<b>Upper</b> Black water repellent grain leather thickness 1,8 mm	5.4.6	Water vapour permeability	mg/cmq h	<b>&gt; 5</b>	≧ 0,8
			Permeability coefficient	mg/cmq	<b>&gt; 48,5</b>	> 15
		6.3.1	Water resistance	minutes	<b>&gt; 60</b>	> 60
<b>Vamp</b>	<b>lining</b> Felt, breathable, colour dark grey Thickness 1,2 mm	5.5.3	Water vapour permeability	mg/cmq h	<b>&gt; 4,7</b>	≧ 2
			Permeability coefficient	mg/cmq	<b>&gt; 40,6</b>	≧ 20
<b>Quarter</b>	<b>lining</b> <b>Cambrelle</b> ®, breathable, abrasion resistant, colour black Thickness 1,2 mm	5.5.3	Water vapour permeability	mg/cmq h	<b>&gt; 4,7</b>	≧ 2
			Permeability coefficient	mg/cmq	<b>&gt; 39,5</b>	≧ 20
<b>Sole</b>	Antistatic polyurethane – nitrile rubber, directly injected in the upper:	5.8.3	Abrasion resistance (lost volume)	mm <sup>3</sup>	<b>89</b>	↑ 150
		5.8.4	Flexing resistance (cut increase)	mm	<b>2</b>	↑ 4
		5.8.6	Interlayer bond strength	N/m	<b>&gt; 5</b>	≧ 4
		6.4.4	Hot resistance (300 °C)	----	<b>any melting</b>	any melting
	Outsole: black nitrile rubber, slipping resistant, abrasion resistant, hydrocarbons resistant, and hot resistant.	6.4.2	Hydrocarbons resistance ( ⚡ = volume increase)	%	<b>+ 1,4</b>	↑ 12
	Midsole: black polyurethane low density, comfortable and anti-shock.	5.3.5	SRA : ceramic + detergent solution – flat		<b>0,53</b>	≧ 0,32
	Adherence coefficient of the sole		SRA : ceramic + detergent solution – heel (contact angle 7°)		<b>0,50</b>	≧ 0,28
			SRB : steel + glycerol – flat		<b>0,25</b>	≧ 0,18
			SRB : steel + glycerol – heel (contact angle 7°)		<b>0,21</b>	≧ 0,13