



<b>Prod. Ref.</b>	26930-000
<b>Safety cat.</b>	S2 P HRO HI SRA
<b>Range of sizes</b>	39 - 48 (6 - 13)
<b>Weight (sz. 8)</b>	720 g
<b>Shape</b>	B
<b>Width (6)</b>	10
<b>Width (6,5 - 13)</b>	11

**Description:** Black water repellent printed leather ankle boot, Unlined, antistatic, anti-shock, slipping resistant, non metallic **APT Plate** midsole **Zero Perforation**

**Plus:** **HEAT BARRIER** footbed made of soft and scented polyurethane, antistatic, anatomic, insulating against high temperatures, covered with cloth. The thermal comfort inside the footwear is granted thanks to the special polyurethane compound devised to give high insulation. Outsole resistant to +300°C (1 minute contact) **without cleats** to avoid marks on the asphalt. **Immersion of the sole in a 30 mm sand bath, for 8 hours at 130 ° C.** Through an empirical test carried out at the Cofra laboratories, we simulated a typical 8-hour workday by subjecting the shoe to high temperatures (130 ° C) and, at the end of the test, it does not present any damage

**Suggested uses:** Footwear for tarmac layers

**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> 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>14,5</b>	≥ 14
		5.3.2.4	Compression resistance (clearance after compression)	mm	<b>15,5</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</b>	≥ 1100
					<b>No Perforation</b>	
	<b>Antistatic shoe:</b> the bottom is fit for the dissipation of electrostatic charges	6.2.2.2	Electric resistance			
			- wet	MΩ	<b>61</b>	≥ 0.1
		- dry	MΩ	<b>480</b>	≤ 1000	
	<b>Heat insulation</b>	6.2.3.1	Heat insulation (temp. increase after 30' at 150 °C)	°C	<b>13</b>	≤ 22
		6.2.4	Shock absorption	J	<b>29</b>	≥ 20
	<b>Energy absorption system</b>	5.4.6	Water vapour permeability	mg/cmq h	<b>&gt; 2,2</b>	≥ 0,8
Permeability coefficient			mg/cmq	<b>&gt; 26,6</b>	> 15	
<b>Upper</b>	Black water repellent grain leather thickness 1,8/2,0 mm	6.3.1	Water absorption		<b>13%</b>	≤ 30%
			Water penetration		<b>0,0 g</b>	≤ 0,2 g
<b>Vamp</b>	Textile, breathable, abrasion resistant, colour black	5.5.3	Water vapour permeability	mg/cmq h	<b>&gt; 6,3</b>	≥ 2
			Permeability coefficient	mg/cmq	<b>&gt; 51,1</b>	≥ 20
<b>lining</b>	Thickness 1,2 mm	5.8.3	Abrasion resistance (lost volume)	mm <sup>3</sup>	<b>95</b>	≤ 150
		5.8.4	Flexing resistance (cut increase)	mm	<b>1,5</b>	≤ 4
<b>Sole</b>	Outsole: black nitrile rubber, slipping resistant, abrasion resistant, hydrocarbons resistant and heat resistant.	5.8.6	Interlayer bond strength	N/m	<b>4,4</b>	≥ 3
		6.4.4	Hot resistance (300 °C)	----	<b>any melting</b>	any melting
	Midsole: black <b>HEAT DEFENDER</b> polyurethane, made of a special compound which resists to 150°C for 30 minutes, maintaining a superb thermal comfort inside the shoe	6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	<b>8</b>	≤ 12
		5.3.5	SRA : ceramic + detergent solution – flat		<b>0,39</b>	≥ 0,32
	Adherence coefficient of the sole		SRA : ceramic + detergent solution – heel (contact angle 7°)		<b>0,34</b>	≥ 0,28