



<b>Prod. Ref.</b>	10500-000
<b>Safety cat.</b>	O3 HRO SRC FO
<b>Range of sizes</b>	39 - 47 (6 - 12)
<b>Weight (sz. 9)</b>	565 g
<b>Shape</b>	B
<b>Width</b>	11

**Description:** Dark grey water repellent suede leather ankle boot, suede leather lining, antistatic, anti-shock, slipping resistant, non metallic **APT Plate** midsole **Zero Perforation**

**Plus: SOFT-BED** footbed made of soft and scented polyurethane, antistatic, anatomic, holed, soft and comfortable. The upper layer absorb moisture and keep the foot dry. Cold and heat insulation. Arch support made of polycarbonate and fibreglass conveniently placed between heel and sole, which provides support and protection of the plantar arch, thus preventing harmful bendings. Outsole resistant to +300°C (1 minute contact)

**Suggested uses:** footwear for roofworks

**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 20347:2012	Description	Unit	Cofra result	requirement
<b>Complete shoe</b>	<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	MΩ	<b>145</b>	≥ 0.1
			- dry	MΩ	<b>870</b>	≤ 1000
	<b>Energy absorption system</b>	6.2.4	Shock absorption	J	<b>36</b>	≥ 20
<b>Upper</b>	Water repellent suede leather, colour dark grey thickness 1,6/1,8 mm	5.4.6	Water vapour permeability	mg/cmq h	<b>&gt; 3,4</b>	≥ 0,8
			Permeability coefficient	mg/cmq	<b>&gt; 34,7</b>	> 15
		6.3.1	Water absorption		<b>15%</b>	≤ 30%
			Water penetration		<b>0,0 g</b>	≤ 0,2 g
<b>Vamp</b>	Suede leather, breathable, colour dark grey	5.5.3	Water vapour permeability	mg/cmq h	<b>&gt; 3,8</b>	≥ 2
<b>lining</b>	thickness 1,0 m		Permeability coefficient	mg/cmq	<b>&gt; 36,9</b>	≥ 20
<b>Quarter</b>	Suede leather, breathable, abrasion resistant, colour dark grey	5.5.3	Water vapour permeability	mg/cmq h	<b>&gt; 4,2</b>	≥ 2
<b>lining</b>	thickness 1,0 mm		Permeability coefficient	mg/cmq	<b>&gt; 40,1</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>2,5</b>	≤ 4
	Outsole: red nitrile rubber, slipping resistant, abrasion resistant, hydrocarbons resistant, and hot resistant.	5.8.6	Interlayer bond strength	N/m	<b>3,5</b>	≥ 3
		6.4.4	Hot resistance (300 °C)	----	<b>any melting</b>	any melting
	Midsole: black polyurethane low density, comfortable and anti-shock.	6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	<b>+ 1,4</b>	≤ 12
	Adherence coefficient of the sole	5.3.5	SRA : ceramic + detergent solution – flat		<b>0,53</b>	≥ 0,32
			SRA : ceramic + detergent solution – heel (contact angle 7°)		<b>0,50</b>	≥ 0,28
			SRB : steel + glycerol – flat		<b>0,24</b>	≥ 0,18
			SRB : steel + glycerol – heel (contact angle 7°)		<b>0,21</b>	≥ 0,13