

Prod. Ref. 10290-000
Safety cat. O2 HRO SRC FO
Range of sizes 39 - 47 (6 - 12)
Weight (sz. 9) 550 g
Width 11

Description: Black water repellent grain leather and nylon **CORDURA**® ankle boot, **CAMBRELLE**® lining, antistatic, anti-shock, slipping resistant.

Plus: Footwear completely free from metal parts. Full **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). Padded collar. Internal side zip.

Suggested uses: Footwear for service industry, footwear for uniforms.

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
Complete shoe	Antistatic shoe: the bottom is fit for the dissipation of electrostatic charges	6.2.2.2	Electric resistance			
			- wet	MΩ	480	≥ 0.1
			- dry	MΩ	864	≤ 1000
Upper	Energy absorption system: polyurethane low density and heel profile Black water repellent grain leather thickness 1,6/1,8 mm	6.2.4	Shock absorption	J	> 34	≥ 20
		5.4.6	Water vapour permeability	mg/cmq h	> 1	≥ 0,8
			Permeability coefficient	mg/cmq	> 17,4	> 15
		6.3.1	Water absorption		16%	≤ 30%
			Water penetration		0,0 g	≤ 0,2 g
Vamp	Felt, breathable, colour dark grey	5.5.3	Water vapour permeability	mg/cmq h	> 4,7	≥ 2
			Permeability coefficient	mg/cmq	> 40,6	≥ 20
lining	Thickness 1,2 mm	5.5.3	Water vapour permeability	mg/cmq h	> 4,7	≥ 2
			Permeability coefficient	mg/cmq	> 39,5	≥ 20
Quarter	CAMBRELLE ®, breathable, abrasion resistant, colour black	5.7.4.1	Abrasion resistance	cycle	> 400	≥ 400
lining	thickness 1,2 mm					
Insole	Antistatic, absorbent, abrasion and flaking resistant.	5.8.3	Abrasion resistance (lost volume)	mm³	89	≤ 150
Sole	Outsole: black nitrile rubber, slipping resistant, abrasion resistant, hydrocarbons resistant, and hot resistant.	5.8.4	Flexing resistance (cut increase)	mm	2	≤ 4
		5.8.6	Interlayer bond strength	N/m	> 5	≥ 4
		6.4.4	Hot resistance (300 °C)	----	any melting	any melting
	Midsole: black polyurethane low density, comfortable and anti-shock.	6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	+ 1,4	≤ 12
Adherence coefficient of the sole		5.3.5	SRA : ceramic + detergent solution – flat		0,53	≥ 0,32
			SRA : ceramic + detergent solution – heel (contact angle 7°)		0,50	≥ 0,28
			SRB : steel + glycerol – flat		0,24	≥ 0,18
			SRB : steel + glycerol – heel (contact angle 7°)		0,21	≥ 0,13