

Prod. Ref. 10240-000
Safety cat. O2 WR HRO SRC FO
Range of sizes 36 - 48 (3 - 13)
Weight (sz. 9) 655 g
Shape C
Width 11

Description: Black water repellent full grain leather ranger, **GORE-TEX Performance Comfort Footwear** membrane lining, antistatic, anti-shock, slipping resistant

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 military, footwear for uniforms

Care and maintenance: 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	Water resistance	5.15.1	Water resistance (area of water penetration after 1000 paces in a surface flooded with water)	cm ²	≤ 3	≤ 3
	Antistatic shoe: the bottom is fit for the dissipation of electrostatic charges	6.2.2.2	Electric resistance - wet - dry	MΩ MΩ	124 281	≥ 0.1 ≤ 1000
Upper	Energy absorption system: polyurethane low density and heel profile	6.2.4	Shock absorption	J	35	≥ 20
	Black water repellent full grain leather thickness 1,6/1,8 mm	5.4.6	Water vapour permeability Permeability coefficient	mg/cmq h mg/cmq	> 4 > 39,6	≥ 0,8 > 15
		6.3.1	Assorbimento d'acqua Penetrazione d'acqua		20% 0,1 g	≤ 30% ≤ 0,2 g
Lining	GORE-TEX membrane, breathable and abrasion resistant, colour grey thickness 1.2 mm	5.5.3	Water vapour permeability Permeability coefficient	mg/cmq h mg/cmq	> 4 > 33,2	≥ 2 ≥ 20
	Insole	Antistatic, absorbent, abrasion and flaking resistant	5.7.4.1	Abrasion resistance	cycle	> 400
Sole	Polyurethane/Nitrile rubber, antistatic, resistant to high temperatures, directly injected in the upper:	5.8.3	Abrasion resistance (lost volume)	mm ³	92	≤ 150
		5.8.4	Flexing resistance (cut increase)	mm	2	≤ 4
	Outsole: black nitrile rubber, slipping resistant, abrasion resistant, hydrocarbons resistant and heat resistant.	5.8.6	Interlayer bond strength	N/m	3,4	≥ 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)	%	+ 2	≤ 12
	Adherence coefficient of the sole	5.3.5	SRA : ceramic + detergent solution – flat SRA : ceramic + detergent solution – heel (contact angle 7°) SRB : steel + glycerol – flat SRB : steel + glycerol – heel (contact angle 7°)		0,37 0,37 0,20 0,18	≥ 0,32 ≥ 0,28 ≥ 0,18 ≥ 0,13