

PRODUCT SHEET

BRAGIS3 CI HRO SRC

 Prod. Ref.
 13600-000

 Safety cat.
 S3 CI HRO SRC

 Range of sizes
 39 - 47 (6 - 12)

 Weight (sz. 9)
 860 g

 Shape
 C

 Width
 12

Description: Black water repellent printed leather ranger, ecological fur lining, antistatic, anti-shock, slipping resistant, non metallic **APT Plate** midsole **Zero Perforation**

Plus: Cold protection thanks to THINSULATE™ B200. EVANIT footbed, made of EVA and nitrile special compound, with high bearing capacity and variable thickness. Thermoformed, punched and coated with highly breathable fabric. Antistatic thanks to a specific treatment on the surface and to seams made of conductive yarns. ANTI TORSION 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 and/or unwilled torsion. Sole COLD DEFENDER PU/nitrile rubber resistant up to +300 °C (1 minute contact) and to low temperatures up to -25 °C. Cold Defender PU is a special PU compound which guarantees higher performances than the ordinary PU for mechanical resistance to low temperatures and thermal insulation and it resist under extreme temperatures up to -25°C. The rubber outsole design has been devised to improve the slip resistance and enhance the comfort even on frozen and rambling surfaces. Internal side zip.

Suggested uses: Footwear for cold temperature

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

Clause



roquiromont

MATERIALS / ACCESSORIES

SAFETY TECHNICAL SPECIFICATIONS

			Clause EN ISO 20345:2011	Description	Unit	Cofra result	requirement
Complete shoe	Toe cap: non	metallic TOP RETURN toe cap, impact resistant until 200 J	5.3.2.3	Shock resistance (clearance after shock)	mm	14	≥ 14
	and	d compression resistant until 1500 kg	5.3.2.4	Compression resistance (clearance after compression)	mm	16	≥ 14
	Anti perforati	on midsole: in multi-layers highly tensile fabric, penetration resistant, Zero Perforation	6.2.1	Penetration resistance	N	To 1100 N	≥ 1100
						No Perforation	
	Antistatic sho	be: the bottom is fit for the dissipation of electrostatic charges	6.2.2.2	Electric resistance			
				- wet	$M\Omega$	742	≥ 0.1
				- dry	$M\Omega$	1000	≤ 1000
	Cold insulation	on	6.2.3.2	Cold insulation (temp. decrease after 30' C at -17 °C)	°C	6	≤ 10
	Energy absorption system		6.2.4	Shock absorption	J	39	≥ 20
Upper	Black water repellent printed leather		5.4.6	Water vapour permeability	mg/cmq h	> 2	≥ 0,8
	thickness 1,8/2	2,0 mm		Permeability coefficient	mg/cmq	> 24,5	> 15
			6.3.1	Water absorption		13%	≤ 30%
				Water penetration		0,0 g	≤ 0,2 g
Lining	Ecological fur, breathable, abrasion resistant, colour grey thickness 1,2 mm		5.5.3	Water vapour permeability	mg/cmq h	> 5,9	≥ 2
				Permeability coefficient	mg/cmq	> 47,4	≥ 20
Sole	COLD DEFENDER PU/Nitrile rubber, antistatic, resistant to low temperatures, directly injected in the upper:		5.8.3	Abrasion resistance (lost volume)	mm^3	132	≤ 150
			5.8.4	Flexing resistance (cut increase)	mm	1	≤ 4
	Outsole:	black nitrile rubber, slipping resistant, abrasion resistant, hydrocarbons	5.8.6	Interlayer bond strength	N/m	> 5	≥ 4
		resistant and heat resistant.	6.4.4	Hot resistance (300 °C)		any melting	any melting
	Midsole:	Cold Defender PU resistant to -25°C, colour black	6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	+ 3,6	≤ 12
	Adherence co	Adherence coefficient of the sole		SRA : ceramic + detergent solution - flat		0,45	≥ 0,32
				SRA : ceramic + detergent solution - heel (contact angle	7°)	0,40	≥ 0,28
				SRB : steel + glycerol - flat		0,20	≥ 0,18