

<b>Prod. Ref.</b>	BA038-000
<b>Safety cat.</b>	S3 CI SRC
<b>Range of sizes</b>	38 - 48
<b>Weight</b>	870 g
<b>Shape</b>	C
<b>Wide</b>	11

**Description:** Black water repellent printed leather rigger boot, ecological fur lining, antistatic, anti-shock, slipping resistant, with steel midsole.

**Plus:** Cold insulation. Footbed full piece, anatomic, holed, removable, antistatic, covered with **Texelle**. PU toe cap protection. Internal side zip.

**Suggested uses:** Engineering jobs, maintenance jobs, buildings, industries.

**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

<b>Complete shoe</b>	<b>Toe cap:</b> steel made, varnished with epoxy resin, impact resistant until 200 J and compression resistant until 1500 kg
	<b>Anti perforation midsole:</b> stainless steel, penetration resistance, varnished with epoxy resin
	<b>Antistatic shoe:</b> the bottom is fit for the dissipation of electrostatic charges
	<b>Cold insulation</b>
<b>Upper</b>	<b>Energy absorption system:</b> polyurethane low density and heel profile Water repellent printed leather, colour black thickness 2,0 mm
<b>Lining</b>	Beige ecological fur, highly cold insulating, abrasion resistant, breathable thickness 1,2 mm
<b>Insole</b>	Antistatic, absorbent, abrasion and flaking resistant.
<b>Sole</b>	Antistatic polyurethane <b>Flex-Sole</b> directly injected on the upper: Outsole: black, high density, slipping resistant, abrasion resistant and hydrocarbons resistant Midsole: black, low density, comfortable and anti-shock Adherence coefficient of the sole

## SAFETY TECHNICAL SPECIFICATIONS

		Clause EN ISO 20344 :2004	Description	Unit	Cofra result	EN ISO 20345:2004 requirement
		5.3.2.3	Shock resistance (clearance after shock)	mm	14,5	≥ 14
		5.3.2.4	Compression resistance (clearance after compression)	mm	15	≥ 14
		6.2.1.5.2	Penetration resistance	N	1300	≥ 1100
		6.2.2.2	Electric resistance			
			- wet	MΩ	125	≥ 0.1
			- dry	MΩ	434	≤ 1000
		6.2.3.2	Cold insulation (temp. decrease after 30' C at -17 °C)	°C	8,5	≤ 10
		6.2.4	Shock absorption	J	> 28	≥ 20
		5.4.6	Water vapour permeability	mg/cmq h	> 2	≥ 0,8
			Permeability coefficient	mg/cmq	> 24,5	> 15
		6.3.1	Water resistance	minutes	> 60	> 60
		5.5.3	Water vapour permeability	mg/cmq h	> 5	≥ 2
			Permeability coefficient	mg/cmq	> 42	≥ 20
		5.7.4.1	Abrasion resistance	cycle	> 400	≥ 400
		5.8.3	Abrasion resistance (lost volume)	mm <sup>3</sup>	45	≤ 150
		5.8.4	Flexing resistance (cut increase)	mm	2,5	≤ 4
		5.8.6	Interlayer bond strength	N/mm	> 5	≥ 4
		6.4.5	Hydrocarbons resistance (ΔV = volume increase)	%	+ 0,6	≤ 12
		5.3.5	SRA : ceramic + detergent solution – flat		0,40	≥ 0,32
			SRA : ceramic + detergent solution – heel (contact angle 7°)		0,39	≥ 0,28
			SRB : steel + glycerol – flat		0,18	≥ 0,18
			SRB : steel + glycerol – heel (contact angle 7°)		0,16	≥ 0,13