



Prod. Ref.	NT380-000
Safety cat.	S3 CI SRC
Range of sizes	40 - 48 (6,5 - 13)
Weight (sz. 8)	840 g
Shape	C
Width	11

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

Plus: Cold insulation. **AIR** footbed, made of EVA and fabric, antistatic, anatomic, holed. It guarantees high stability thanks to its different kinds of thickness in the plantar area. Polyurethane toe cap protection. Internal side zip.

Suggested uses: Construction, maintenance, 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

Complete shoe	Toe cap: steel made, varnished with epoxy resin, impact resistant until 200 J and compression resistant until 1500 kg
	Anti perforation midsole: stainless steel, penetration resistance, varnished with epoxy resin
	Antistatic shoe: the bottom is fit for the dissipation of electrostatic charges
	Cold insulation
	Energy absorption system: polyurethane low density and heel profile
Upper	Black water repellent printed leather thickness 1,6/1,8 mm
Lining	Ecological fur, highly insulating, breathable, abrasion resistant, colour beige thickness 1,2 mm
Insole	Antistatic, absorbent, abrasion and flaking resistant.
Sole	Antistatic dual-density Polyurethane directly injected in 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 20345:2011	Description	Unit	Cofra result	Requirement
5.3.2.3	Shock resistance (clearance after shock)	mm	16	≥ 14
5.3.2.4	Compression resistance (clearance after compression)	mm	15	≥ 14
6.2.1	Penetration resistance	N	1635	≥ 1100
6.2.2.2	Electric resistance			
	- wet	MΩ	280	≥ 0.1
	- dry	MΩ	820	≤ 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	> 35	≥ 20
5.4.6	Water vapour permeability	mg/cmq h	> 2,4	≥ 0,8
	Permeability coefficient	mg/cmq	> 27,9	> 15
6.3.1	Water absorption		8%	≤ 30%
	Water penetration		0,0 g	≤ 0,2 g
5.5.3	Water vapour permeability	mg/cmq h	> 3,5	≥ 2
	Permeability coefficient	mg/cmq	> 29,3	≥ 20
5.7.4.1	Abrasion resistance	cycle	> 400	≥ 400
5.8.3	Abrasion resistance (lost volume)	mm ³	84	≤ 150
5.8.4	Flexing resistance (cut increase)	mm	2	≤ 4
5.8.6	Interlayer bond strength	N/mm	> 5	≥ 4
6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	+ 1,8	≤ 12
5.3.5	SRA : ceramic + detergent solution – flat		0,60	≥ 0,32
	SRA : ceramic + detergent solution – heel (contact angle 7°)		0,50	≥ 0,28
	SRB : steel + glycerol – flat		0,28	≥ 0,18
	SRB : steel + glycerol – heel (contact angle 7°)		0,19	≥ 0,13