COFRA®
BORN TO WORK

PRODUCT SHEET

NEW SENNA S1 P SRC

Prod. Ref.	NT120-000
Safety cat.	S1 P SRC
Range of sizes	36 - 48 (3 - 13)
Weight (sz. 8)	695 g
Shape	B
Wide	11

Description: Black printed leather ankle boot, **Texelle** lining, antistatic, anti-shock, slipping resistant, with stainless steel midsole.

Plus: Footbed **AIR** made of EVA and fabric, antistatic, anatomic, holed, antistatic. It guarantees high stability thanks to its different thicknesses in the plantar area. Bellows tongue. Padded collar.

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

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	
	Energy absorption system: polyurethane low density and heel profile	
Upper	Black printed leather	
	thickness 1,6/1,8 mm	
Vamp lining	Felt, breathable, colour dark grey	
	thickness 1,2 mm	
Quarter lining	**Texelle**, breathable, abrasion resistant, colour yellow	
	thickness 1,2 mm	
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	**1630**	⬅ 1100
6.2.2.2	Electric resistance			
	- wet	M Ω	**280**	⬅ 0.1
	- dry	M Ω	**820**	↑ 1000
6.2.4	Shock absorption	J	**> 35**	⬅ 20
5.4.6	Water vapour permeability	mg/cmq h	**> 2,2**	⬅ 0,8
	Permeability coefficient	mg/cmq	**> 26,1**	> 15
5.5.3	Water vapour permeability	mg/cmq h	**> 5,3**	⬅ 2
	Permeability coefficient	mg/cmq	**> 43,1**	⬅ 20
5.5.3	Water vapour permeability	mg/cmq h	**> 5,6**	⬅ 2
	Permeability coefficient	mg/cmq	**> 45,6**	⬅ 20
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 (∀ = 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