



Prod. Ref.	31540-000
Safety cat.	S3 SRC
Range of sizes	39 - 48 (6 - 13)
Weight (sz. 8)	480 g
Shape	A
Width (3-6)	10,5
Width (6,5 - 13)	11

Description Black water repellent nubuck Pull-up and nylon **CORDURA®** shoe, **SANY-DRY®** lining, antistatic, anti-shock, slipping resistant, non-woven fabric puncture resistant midsole **PEP Plate - Zero Perforation**

Plus: METAL FREE. Sole made of **XL EXTRALIGHT®**: is a **super light, flexible and resistant** expanded material. Low density, excellent physical-mechanical properties, **soft touch**. It does not absorb liquids and external chemical agents (acids/basic agents) and does not allow the proliferation of bacteria; it has an excellent resistance against atmospheric agents especially at low temperatures. Excellent resistance to water, UV rays, chlorine and to salt so that it is resistant to ageing and keeps the colour unchanged over time. **Its lightness** (weight 3 times lower than those materials having the same mechanical properties) **has allowed to produce a safety footwear with very reduced weight (about 420 g). The high thickness of the sole maximizes the cushioning effect, by increasing comfort. LIGHT FOAM** footbed, made of extremely soft and comfortable polyurethane foam. Punched, antistatic, its anatomical shape provides support to the plantar arch; covered with abrasion resistant fabric, it absorbs moisture and keeps always the foot dry; it guarantees excellent comfort and shock absorption

Suggested uses: this line is recommended for: logistics, service industry, shipping, light industry, microelectronics industry, food industry. **It is not recommended for heavy industry and construction**

Care and maintenance: Clean after each use and dry off away from direct heat. 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 20345:2011	Description	Unit	Cofra result	Requirement
Complete shoe	Toe cap: non metallic FIBERGLASS toe cap, impact resistant until 200 J	5.3.2.3	Shock resistance (clearance after shock)	mm	14	≥ 14
	and compression resistant until 1500 kg	5.3.2.4	Compression resistance (clearance after compression)	mm	19	≥ 14
	Puncture resistant fabric: conductive, almost entirely recycled, made of special non-woven fibers, penetration resistant, Zero Perforation	6.2.1	Penetration resistance	N	To 1100 N No Perforation	≥ 1100
Upper	Antistatic shoe: the bottom is fit for the dissipation of electrostatic charges	6.2.2.2	Electric resistance			
			- wet	MΩ	87	≥ 0.1
			- dry	MΩ	289	≤ 1000
	Energy absorption system	6.2.4	Shock absorption	J	39	≥ 20
Upper	Black water repellent Pull-up nubuck thickness 1,8/2,0 mm	5.4.6	Water vapour permeability	mg/cmq h	> 2.5	≥ 0,8
			Permeability coefficient	mg/cmq	> 26.1	> 15
		6.3.1	Water absorption		20%	≤ 30%
			Water penetration		0,0 g	≤ 0,2 g
Upper	Black water repellent nylon CORDURA®	5.4.6	Water vapour permeability	mg/cmq h	> 4,1	≥ 0,8
			Permeability coefficient	mg/cmq	> 40,5	> 15
		6.3.1	Water absorption		28%	≤ 30%
			Water penetration		0,1 g	≤ 0,2 g
Vamp	Textile, breathable, abrasion resistant, colour black	5.5.3	Water vapour permeability	mg/cmq h	> 6,3	≥ 2
lining	Thickness 1,2 mm		Permeability coefficient	mg/cmq	> 51,1	≥ 20
Quarter	SANY-DRY® , breathable, abrasion resistant, colour black	5.5.3	Water vapour permeability	mg/cmq h	> 10,3	≥ 2
lining	thickness 1,2 mm		Permeability coefficient	mg/cmq	> 82,8	≥ 20

Sole	Antistatic EVA directly applied on the upper, colour black, slipping resistant, abrasion resistant and hydrocarbons resistant, comfortable and anti-shock	5.8.3	Abrasion resistance (lost volume)	mm ³	247	≤ 250
		5.8.4	Flexing resistance (cut increase)	mm	2,4	≤ 4
		6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	7	≤ 12
Adherence coefficient of the sole		5.3.5	SRA : ceramic + detergent solution – flat		0,46	≥ 0,32
			SRA : ceramic + detergent solution – heel (contact angle 7°)		0,43	≥ 0,28
			SRB : steel + glycerol – flat		0,31	≥ 0,18
			SRB : steel + glycerol – heel (contact angle 7°)		0,21	≥ 0,13