



Prod. Ref. PE310-000
Safety cat. S1 PS SC FO SR
Range of sizes 35 - 48 (2 - 13)
Weight (sz. 8) 540 g
Shape A
Width 11

Description: Black innovative and breathable fabric shoe, **SANY-DRY**[®] lining, antistatic, anti-shock, slipping resistant, with non metallic **APT PLUS** midsole - type **PS** with Ø 3,0 mm nail.

Plus: **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. **LYCRA**[®] padded fort which hugs the foot, making it stable and enhancing comfort.

Suggested uses: Warehouses, transportation sector, industries

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 20345:2022	Description	Unit	Cofra result	Requireme nt
Complete shoe	Toe cap: ALUMINIUM made, ultra light, impact resistant until 200 J and compression resistant until 1500 kg	5.3.2.6	Shock resistance (clearance after shock)	mm	16	≥ 14
		5.3.2.7	Compression resistance (clearance after compression)	mm	18	≥ 14
	Anti perforation midsole: in multi-layers highly tensile fabric, penetration resistant, Zero Perforation	6.2.1.1.4	Penetration resistance (PS requirement with Ø 3,0 mm nail)	N	1612	≥ 1100
	Antistatic shoe: the bottom is fit for the dissipation of electrostatic charges	6.2.2.2	Electric resistance	- wet	MΩ	12,35 ≥ 0.1
				- dry	MΩ	77 ≤ 1000
	Energy absorption system	6.2.4	Shock absorption	J	30	≥ 20
Upper	Innovative and breathable fabric, colour black	5.4.6	Water vapour permeability	mg/cmq h	> 4,2	≥ 0,8
			Permeability coefficient	mg/cmq	> 34,1	≥ 15
Vamp lining	Textile, breathable, abrasion resistant, colour black Thickness 1,2 mm	5.5.4	Water vapour permeability	mg/cmq h	> 4,1	≥ 2
			Permeability coefficient	mg/cmq	> 47,2	≥ 20
Quarter lining	SANY-DRY [®] , breathable, abrasion resistant, colour black thickness 1,2 mm	5.5.4	Water vapour permeability	mg/cmq h	> 9,4	≥ 2
			Permeability coefficient	mg/cmq	> 76,4	≥ 20
Sole	Antistatic dual-density polyurethane directly injected in the upper: Outsole: ice, high density, slipping resistant, abrasion resistant and hydrocarbons resistant, Midsole: black, low density, comfortable and anti-shock	5.8.4	Abrasion resistance (lost volume)	mm ³	48	≤ 150
		5.8.5	Flexing resistance (cut increase)	mm	0	≤ 4
		5.8.7	Interlayer bond strength	N/mm	3,4	≥ 3
		6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	1,6	≤ 12
	Adherence coefficient of the sole (Slip resistance)	5.3.5.2	ceramic + detergent solution – forepart (contact angle 7°)		0,41	≥ 0,36
			ceramic + detergent solution – heel (contact angle 7°)		0,35	≥ 0,31
		6.2.10	SR : ceramic + glycerol – forepart (contact angle 7°)		0,37	≥ 0,22
			SR : ceramic + glycerol – heel (contact angle 7°)		0,42	≥ 0,19